

All India Mock: IBPS RRB PO Mains 2022 (28th September) - Questions & Solutions

Directions (1-2): Study the following information carefully and answer the question below-

Eight persons of a family live in a house. There are four married couple and two generations in this family. Q and N are married couple. K is father-in-law of O who is sister-in-law of L. L and P are married couple. P is daughter-in-law of R. M and L are siblings of same gender. N is mother of P. R is married with K.

एक घर में एक परिवार के आठ व्यक्ति रहते हैं। इस परिवार में चार विवाहित जोड़े और दो पीढ़ियां हैं। Q और N विवाहित जोड़ा है। K, O का ससुर है जो L की सिस्टर-इन-लॉ है। L और P विवाहित जोड़ा है। P, R की पुत्रवधू है। M और L समान लिंग के सहोदर हैं। N, P की माता है। R, K के साथ विवाहित है।

Q1. Who among the following is sister-in-law of M?

- (a) Q
- (b) R
- (c) P
- (d) K
- (e) None of these/इनमें से कोई नहीं

Q2. If A is the only child of M, then how is R related to A?

- (a) Grand mother/ग्रैंडमदर
- (b) Mother/माता
- (c) Aunt/आंटी
- (d) Father/पिता
- (e) None of these/इनमें से कोई नहीं

Directions (3-6): Study the following information carefully and answer the question given below-

निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्न का उत्तर दीजिए-

Ten persons are seating on two parallel rows. P, Q, R, S, and T are seating in row 1 and facing towards north. A, B, C, D and E are seating in row 2 and facing south. Persons who are facing north like some Vegetables and Persons who are facing south like some Fruits. The one who likes Papaya faces the one who sits immediate left of Q who likes Cabbage. A sits at one of the extreme end of the row and likes Mango. Only two persons sit between the one who face A and the one who likes Carrot. D sits second to the left of E. P likes Tomato and faces A. The one who likes Pea sits third to the left of the one who faces the one who likes Cherry. R sits second to the left of S and faces the one who likes Plum. C sits at one of the positions to the right

of the one who likes Peach. One of these persons likes Broccoli. Neither E nor D face the one who likes Carrot.

दस व्यक्ति दो समांतर पंक्तियों में बैठे हैं। P, Q, R, S, और T पंक्ति 1 में बैठे हैं और उत्तर के सम्मुख हैं। A, B, C, D और E पंक्ति 2 में बैठे हैं और दक्षिण के सम्मुख हैं। उत्तर के सम्मुख व्यक्ति कुछ सब्जियां पसंद करते हैं और दक्षिण के सम्मुख व्यक्ति कुछ फल पसंद करते हैं। पपीता पसंद करने वाला व्यक्ति, Q के निकटतम बाएं बैठे व्यक्ति के सम्मुख है जो पत्ता गोभी पसंद करता है। A पंक्ति के किसी एक अंतिम छोर पर बैठा है और आम पसंद करता है। A के सम्मुख व्यक्ति और गाजर पसंद करने वाले व्यक्ति के बीच में केवल दो व्यक्ति बैठे हैं। D, E के बाएं से दूसरे स्थान पर बैठा है। P टमाटर पसंद करता है और A के सम्मुख है। मटर पसंद करने वाला व्यक्ति, चेरी पसंद करने वाले व्यक्ति के सम्मुख व्यक्ति के बाएं से तीसरे स्थान पर बैठा है। R, S के बाएं से दूसरे स्थान पर बैठा है और बेर पसंद करने वाले व्यक्ति के सम्मुख है। C, आड़ू पसंद करने वाले व्यक्ति के दाएं किसी एक स्थान पर बैठा है। इनमें से एक व्यक्ति ब्रोकली पसंद करता है। न तो E और न ही D, गाजर पसंद करने वाले व्यक्ति के सम्मुख है।

Q3. Who among the following likes Broccoli?

निम्नलिखित में से कौन ब्रोकली पसंद करता है?

- (a) R
- (b) T
- (c) S
- (d) The one who faces D/जो D के सम्मुख है
- (e) None of these/इनमें से कोई नहीं

Q4. How many persons sit between C and A?

C और A के बीच में कितने व्यक्ति बैठे हैं?

- (a) Three/तीन
- (b) Same as the number of persons sit between R and S/जितने व्यक्ति R और S के बीच में बैठे हैं
- (c) Same as the number of persons sit right of Q /जितने व्यक्ति Q के दाएं में बैठे हैं
- (d) Four/चार
- (e) None of these/इनमें से कोई नहीं

Q5. Which of the following fruit likes by C?

निम्नलिखित में से कौन सा फल C पसंद करता है?

- (a) Papaya/पपीता
- (b) Cherry/चेरी
- (c) Peach/आड़ू
- (d) Plum/बेर
- (e) None of these/इनमें से कोई नहीं

Q6. Four of the following five pairs are alike in a certain way so form a group, which of the following does not belong to that group?

निम्नलिखित पांच युग्मों में से चार एक निश्चित तरीके से एकसमान हैं इसलिए एक समूह बनाते हैं, निम्नलिखित में से कौन सा उस समूह से संबंधित नहीं है?

- (a) A-R
(b) C-T
(c) E-S
(d) B-Q
(e) D-T

Q7. Healthy diet, Regular exercise and Meditation are three key points to maintain your immunity level-Statement given by Health Ministry after cases of corona has been increased rapidly. Uses of mask, sanitizer has been encouraged. Washing hands with soaps and social distancing has been advised.

Which of the following diminish the advisory by Health Ministry?

स्वस्थ आहार, नियमित व्यायाम और योग तीन प्रमुख बिंदु हैं जो आपके प्रतिरक्षा स्तर को बनाए रखते हैं-कोरोना के मामलों में तेजी से वृद्धि के बाद स्वास्थ्य मंत्रालय द्वारा दिया गया बयान। मास्क, सैनिटाइजर के उपयोग को प्रोत्साहित किया गया है। साबुन से हाथ धोने और सामाजिक दूरी बनाने की सलाह दी गई है।

निम्नलिखित में से कौन स्वास्थ्य मंत्रालय की सलाह को कम करता है?

- (a) Eating junk and street foods has been increased mainly in case of younger generation. /मुख्य रूप से युवा पीढ़ी के मामले में जंक और स्ट्रीट फूड खाने वालों की संख्या में वृद्धि हुई है।
(b) All the guests are wearing mask and following all norms in royal wedding of Minister's son. /मंत्री के पुत्र की शाही शादी में सभी मेहमान मास्क पहने हुए हैं और सभी मानदंडों का पालन कर रहे हैं।
(c) Trade unions has decided to reopen the market with some guidelines. /व्यापार संघों ने कुछ दिशानिर्देशों के साथ बाजार को फिर से खोलने का फैसला किया है।
(d) Yoga class has been introduced in online format for all the Government and private schools. /सभी सरकारी और निजी विद्यालयों के लिए योग कक्षा ऑनलाइन प्रारूप में प्रारंभ की गई है।
(e) Black marketing of Mask has been increased all over the country. /पूरे देश में मास्क की कालाबाजारी तेज हो गई है।

Directions (8-9): In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:

इन प्रश्नों में, कथनों में विभिन्न तत्वों के बीच संबंध को दर्शाया गया है। कथनों के बाद निष्कर्ष दिए गए हैं। दिए गए कथनों के आधार पर निष्कर्षों का अध्ययन कीजिए और उचित उत्तर का चयन कीजिए:

Q8.

Statements:

$S > W = E \geq R, F < C < V = N, W > K \geq V > L$

Conclusion

I: $F < S$

II: $E > N$

कथन:

$S > W = E \geq R, F < C < V = N, W > K \geq V > L$

निष्कर्ष

I: $F < S$

II: $E > N$

- (a) If only conclusion I follows. /यदि केवल निष्कर्ष I अनुसरण करता है।
(b) If only conclusion II follows. /यदि केवल निष्कर्ष II अनुसरण करता है।
(c) If either conclusion I or II follows/यदि या तो निष्कर्ष I या II अनुसरण करता है।
(d) If neither conclusion I nor II follows. /यदि न तो निष्कर्ष I और न ही II अनुसरण करता है।
(e) If both conclusions I and II follow. /यदि निष्कर्ष I और II दोनों अनुसरण करते हैं।

Q9.

Statements:

$Q = V > B \geq N > I, G < H = B < M, S < V < K = L$

Conclusion

I: $L > Q$

II: $H > I$

कथन:

$Q = V > B \geq N > I, G < H = B < M, S < V < K = L$

निष्कर्ष

I: $L > Q$

II: $H > I$

- (a) If only conclusion I follows. /यदि केवल निष्कर्ष I अनुसरण करता है।
(b) If only conclusion II follows. /यदि केवल निष्कर्ष II अनुसरण करता है।
(c) If either conclusion I or II follows/यदि या तो निष्कर्ष I या II अनुसरण करता है।
(d) If neither conclusion I nor II follows. /यदि न तो निष्कर्ष I और न ही II अनुसरण करता है।
(e) If both conclusions I and II follow. /यदि निष्कर्ष I और II दोनों अनुसरण करते हैं।

Directions (10-14): Study the information carefully and answer the questions given below.

निम्न जानकारी का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

Eight persons are sitting around a circular table facing inside the table. They all live in an eight-storey building such that ground floor is numbered as 1 and topmost floor is numbered as 8. Each of them likes different fruits i.e. Mango, Guava, Plum, Apple, Pear, Orange, Banana and Litchi but not necessary in same order.

Two persons live between A and G, who likes Banana. A does not live at odd numbered floor. H lives just above A. H lives above G. E sits third to the right of D. C sits second to the left of D. B and the one who likes Banana sit opposite to each other's. The person who lives at topmost floor sits immediately left of G and likes Mango. The person who sits third to the left of B likes Litchi. A does not sit third to the left of F. C lives at second floor and likes Orange. F sits second to the left of G. The one who likes Pear lives just above the one who likes Apple. H does not like Apple. B lives above E and below F. The one who sits second to the left of C does not like Guava. The one who sits opposite to D lives above the one who like Apple. आठ व्यक्ति एक वृत्ताकार मेज के चारों ओर मेज के अंदर के सम्मुख बैठे हैं। वे सभी एक आठ मंजिला इमारत में इस प्रकार रहते हैं कि सबसे निचली मंजिल की संख्या 1 और सबसे ऊपरी मंजिल की संख्या 8 है। उनमें से प्रत्येक अलग-अलग फल पसंद करता है अर्थात आम, अमरूद, बेर, सेब, नाशपाती, संतरा, केला और लीची लेकिन आवश्यक नहीं कि इसी क्रम में हों।

A और G, जो केला पसंद करता है, के बीच में दो व्यक्ति रहते हैं। A विषम संख्या वाली मंजिल पर नहीं रहता है। H, A के ठीक ऊपर रहता है। H, G के ऊपर रहता है। E, D के दाएं से तीसरे स्थान पर बैठा है। C, D के बाएं से दूसरे स्थान पर बैठा है। B और केला पसंद करने वाला व्यक्ति एक दूसरे के सामने बैठे हैं। वह व्यक्ति जो सबसे ऊपरी मंजिल पर रहता है, G के निकटतम बाएं बैठा है और आम पसंद करता है। B के बाएं से तीसरे स्थान पर बैठा व्यक्ति लीची पसंद करता है। A, F के बाएं से तीसरे स्थान पर नहीं बैठा है। C दूसरी मंजिल पर रहता है और संतरा पसंद करता है। E, G के बाएं से दूसरे स्थान पर बैठा है। नाशपाती पसंद करने वाला व्यक्ति, सेब पसंद करने वाले व्यक्ति के ठीक ऊपर रहता है। H सेब पसंद नहीं करता है। B, E के ऊपर और F के नीचे रहता है। C के बाएं से दूसरे स्थान पर बैठा व्यक्ति अमरूद पसंद नहीं करता है। D के सामने बैठा व्यक्ति, सेब पसंद करने वाले के ऊपर रहता है।

Q10. Who among the following likes Apple?

निम्नलिखित में से कौन सेब पसंद करता है?

- (a) E
- (b) A
- (c) B
- (d) D
- (e) None of these/इनमें से कोई नहीं

Q11. The one who sits third to the left of A, lives on which of the following floor?

वह व्यक्ति जो A के बाएं से तीसरे स्थान पर बैठा है, निम्नलिखित में से किस मंजिल पर रहता है?

- (a) 2nd /दूसरी
- (b) 3rd /तीसरी

- (c) 4th /चौथी
- (d) 6th /छठी
- (e) None of these/इनमें से कोई नहीं

Q12. How many persons sit between C and A?

C और A के बीच में कितने व्यक्ति बैठे हैं?

- (a) Same number of persons sit between F and H/जितने व्यक्ति F और H के बीच में बैठे हैं
- (b) Same number of persons live between E and F/जितने व्यक्ति F और H के बीच में रहते हैं
- (c) Same number of persons live above H's floor/जितने व्यक्ति H की मंजिल से ऊपर रहते हैं
- (d) One/एक
- (e) None of these/इनमें से कोई नहीं

Q13. How many persons live between D and B?

D और B के बीच में कितने व्यक्ति रहते हैं?

- (a) Three/तीन
- (b) Four/चार
- (c) Two/दो
- (d) One/एक
- (e) None of these/इनमें से कोई नहीं

Q14. Which of the information is true about F?

F के बारे में कौन सी जानकारी सत्य है?

- (a) Plum- 7th floor/बेर - सातवीं मंजिल
- (b) Litchi-6th Floor/लीची - छठी मंजिल
- (c) Mango-8th floor/आम - आठवीं मंजिल
- (d) Pear-5th floor/नाशपाती - पांचवीं मंजिल
- (e) None of these/इनमें से कोई नहीं

Q15. Statement: The Supreme Court said the government's new rules to regulate OTT

(over-the-top) platforms lacked teeth to punish violators or to screen offensive content. There is no provision for punishment or fine. What is the mechanism to control and regulate these platforms?" Justice Ashok Bhushan, heading a Bench, asked Solicitor General Tushar Mehta. Mr. Mehta agreed and said, "We can come out with a draft and place it before the court," he stated.

Which of the following can be assumed from the above statement?

(I) Youth generations are diverting to wrong direction after watching web series released on OTT containing abusive content.

(II) Producer and Director of a recently launched web series are sitting on a strike after Government puts a ban on its further telecast.

(III) Government should regulate the OTT and it must be screened by a panel member before release.

कथन: सर्वोच्च न्यायालय ने कहा कि ओटीटी (ओवर-द-टॉप) प्लेटफार्मों को विनियमित करने के सरकार के नए नियमों में उल्लंघनकर्ताओं या

आपत्तिजनक सामग्री को प्रदर्शित करने के लिए दंडित करने के लिए कुछ कमी है। दंड या जुर्माने का कोई प्रावधान नहीं है। इन प्लेटफार्मों को नियंत्रित और विनियमित करने का तंत्र क्या है?" एक बेंच की अध्यक्षता कर रहे न्यायमूर्ति अशोक भूषण ने महान्यायभिकर्ता तुषार मेहता से पूछा। श्री मेहता सहमत हुए और कहा, "हम एक मसौदा तैयार कर सकते हैं और इसे न्यायालय के सामने रख सकते हैं," उन्होंने कहा।

उपरोक्त कथन से निम्नलिखित में से क्या माना जा सकता है?

- (I) ओटीटी पर अपमानजनक सामग्री वाली वेब सीरीज को देखकर युवा पीढ़ी गलत दिशा में जा रही है।
 (II) सरकार द्वारा हाल ही में प्रारंभ हुई एक वेब श्रृंखला के आगे प्रसारण पर प्रतिबंध लगाने के बाद इसके निर्माता और निर्देशक हड़ताल पर बैठ गए हैं।
 (III) सरकार को ओटीटी को विनियमित करना चाहिए और रिलीज से पहले एक पैनल सदस्य द्वारा इसकी जांच की जानी चाहिए।
 (a) Only I and III/केवल I और III
 (b) Only III/केवल III
 (c) Only I and II/केवल I और II
 (d) Only II/केवल II
 (e) Only I/केवल I

Directions (16-19): There are two rows given and to find out the resultant of a particular row we need to follow the following steps: -

Step 1: If an even number is followed by an odd number, then the resultant will be the addition of both the numbers.

Step 2: If an odd number is followed by a perfect square, then the resultant will be the difference of that square number and the odd number.

Step 3: If an odd number is followed by another odd number (but not a perfect square) then the resultant will be the addition of both the numbers.

Step 4: If an odd number is followed by an even number (but not a perfect square) then the resultant comes by multiplying the numbers.

Step 5: If an even number is followed by another even number, then the resultant will be the division of first number by the second number.

दो पंक्तियाँ दी गई हैं और किसी विशेष पंक्ति के परिणामी ज्ञात करने के लिए हमें निम्नलिखित चरणों का पालन करना होगा:-

चरण 1: यदि एक सम संख्या के बाद एक विषम संख्या आती है, तो परिणामी दोनों संख्याओं का योग होगा।

चरण 2: यदि एक विषम संख्या के बाद एक पूर्ण वर्ग आता है, तो परिणामी उस वर्ग संख्या और विषम संख्या का अंतर होगा।

चरण 3: यदि एक विषम संख्या के बाद दूसरी विषम संख्या (लेकिन पूर्ण वर्ग नहीं) आती है, तो परिणामी दोनों संख्याओं का योग होगा।

चरण 4: यदि एक विषम संख्या के बाद एक सम संख्या (लेकिन एक पूर्ण वर्ग नहीं) आती है, तो परिणामी संख्याओं को गुणा करके प्राप्त होता है।

चरण 5: यदि एक सम संख्या के बाद दूसरी सम संख्या आती है, तो परिणामी पहली संख्या को दूसरी संख्या से विभाजित करके प्राप्त होगा।

Q16. Find the sum of two rows
दोनों पंक्तियों का योग ज्ञात कीजिए।

16	3	7
11	6	2

- (a) 59
 (b) 52
 (c) 54
 (d) 56
 (e) None of the above/इनमें से कोई नहीं

Q17. If the sum of the resultants of two rows is 46. Then find the value of X.

यदि दोनों पंक्तियों के परिणामियों का योग 46 है। तो X का मान ज्ञात कीजिए।

5	16	5
30	6	X

- (a) 16
 (b) 25
 (c) 6
 (d) 36
 (e) None of the above/इनमें से कोई नहीं

Q18. Find the difference between the resultant of first and second row.

पहली और दूसरी पंक्ति के परिणामी के बीच का अंतर ज्ञात कीजिए।

15	5	4
24	11	2

- (a) 87
 (b) 65
 (c) 57
 (d) 96
 (e) None of the above/इनमें से कोई नहीं

Q19. Find the multiplication of the resultant of first and second row.

पहली और दूसरी पंक्ति के परिणामी का गुणन ज्ञात कीजिए।

12	7	25
16	11	9

- (a) 110
 (b) 85
 (c) 108
 (d) 120
 (e) None of the above/इनमें से कोई नहीं

Directions (20-23): Study the following information carefully and answer the questions given below:

निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दीजिए:

Eight boxes of different courier companies i.e. A, B, C, D, E, F, G and H arranged in such manner that one box placed above another but not necessarily in same order. Each box has different colored cover i.e., Red, Blue, Green, Yellow, Pink, White, Black and Violet but not necessarily in same order.

There are four boxes arrange between box C and the box which has Yellow cover. Not more than two boxes are place below box G. Box D places one box above the box which has Red cover. There are as many boxes above the box A as below Box E. The box which has Green cover place just above box C. Box G has neither Green nor Yellow cover. The box which has Pink cover places just above the box which has Violet cover and just below the box which has red cover. There is one box arrange between box F and The box which has white cover. Box F is placed below the box which has white cover. The cover of box F is either Black or Blue. The cover of box E cover is not Pink. Box H places immediately below the box which has Black cover.

विभिन्न कूरियर कंपनियों अर्थात A, B, C, D, E, F, G और H के आठ बॉक्स इस तरह व्यवस्थित किए गए हैं कि एक बॉक्स दूसरे के ऊपर रखा गया लेकिन आवश्यक नहीं कि इसी क्रम में हो। प्रत्येक बॉक्स में अलग-अलग रंग अर्थात लाल, नीला, हरा, पीला, गुलाबी, सफेद, काला और बैंगनी का कवर है, लेकिन आवश्यक नहीं कि इसी क्रम में हो।

बॉक्स C और पीले कवर वाले बॉक्स के बीच में चार बॉक्स व्यवस्थित हैं। बॉक्स G के नीचे दो से अधिक बॉक्स नहीं रखे गए हैं। बॉक्स D, लाल कवर वाले बॉक्स से एक बॉक्स ऊपर रखा गया है। बॉक्स A के ऊपर उतने ही बॉक्स हैं जितने बॉक्स E के नीचे हैं। हरे कवर वाले बॉक्स को बॉक्स C के ठीक ऊपर रखा गया है। बॉक्स G में न तो हरा और न ही पीला कवर है। जिस बॉक्स में गुलाबी कवर है, वह बैंगनी कवर वाले बॉक्स के ठीक ऊपर रखा गया है और लाल कवर वाले बॉक्स के ठीक नीचे रखा गया है। बॉक्स F और सफेद कवर वाले बॉक्स के बीच में एक बॉक्स व्यवस्थित है। बॉक्स F को सफेद कवर वाले बॉक्स के नीचे रखा गया है। बॉक्स F का कवर या तो काला या नीला है। बॉक्स E के कवर का रंग गुलाबी नहीं है। बॉक्स H काले कवर वाले बॉक्स के ठीक नीचे रखा गया है।

Q20. Which among the following box has red cover?

निम्नलिखित में से किस बॉक्स में लाल कवर है?

- (a) Box D/बॉक्स D
- (b) Box B/बॉक्स B
- (c) Box G/बॉक्स G
- (d) Box A/बॉक्स A
- (e) Box H/बॉक्स H

Q21. निम्नलिखित में से कौन सा बॉक्स सबसे निचले स्थान पर रखा गया है?

- (a) Box A/बॉक्स A
- (b) Box B/बॉक्स B
- (c) Box F/बॉक्स F
- (d) Box G/बॉक्स G
- (e) Box C/बॉक्स C

Q22. How many boxes arrange between the box which has black cover and box B?

काले कवर वाले बॉक्स और बॉक्स B के बीच में कितने बॉक्स व्यवस्थित हैं?

- (a) One/एक
- (b) Two/दो
- (c) Three/तीन
- (d) More than three/तीन से अधिक
- (e) None/कोई नहीं

Q23. What colour cover does box E have?

बॉक्स E के कवर का रंग क्या है?

- (a) Pink/गुलाबी
- (b) Violet/बैंगनी
- (c) White/सफेद
- (d) Red/लाल
- (e) Green/हरा

Directions (24-26): Each of the questions below consist of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer

नीचे दिए गए प्रत्येक प्रश्न में, एक प्रश्न और उसके नीचे I और II से क्रमांकित दो कथन दिए गए हैं। आपको यह तय करना है कि कथनों में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है या नहीं। दोनों कथनों को पढ़िए और उत्तर दीजिए-

Q24. How many children are there between Mehul and Neha in a row of children?

I. Mehul is 19th from the right in the row.

II. Neha is fifteenth from the left in the row.

बच्चों की एक पंक्ति में मेहुल और नेहा के बीच में कितने बच्चे हैं?

I. मेहुल पंक्ति में दाएं से 19वें स्थान पर है।

II. नेहा पंक्ति में बाएं से पंद्रहवें स्थान पर है।

(a) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

यदि अकेले कथन I में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है, जबकि अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(b) if the data in both statement I and II together are not sufficient to answer the question.

यदि कथन I और II दोनों में एक साथ दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.

यदि या तो अकेले कथन I या अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है।

(d) if the data in both statement I and II together are necessary to answer the question.

यदि कथन I और II दोनों में एक साथ दी गई जानकारी प्रश्न का उत्तर देने के लिए आवश्यक है।

(e) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

यदि अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है, जबकि अकेले कथन I में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

Q25. How many persons sit in the linear row?

I. M is third from the right end of row. All of them facing north. D sits second to the left of M.

II. No one sits to the left of G. Only eight persons sit between G and M.

रैखिक पंक्ति में कितने व्यक्ति बैठे हैं?

I. M पंक्ति के दाएं छोर से तीसरे स्थान पर है। वे सभी उत्तर के सम्मुख है। D, M के बाएं से दूसरे स्थान पर बैठा है।

II. G के बाएं कोई नहीं बैठा है। G और M के बीच में केवल आठ व्यक्ति बैठे हैं।

(a) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

यदि अकेले कथन I में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है, जबकि अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(b) if the data in both statement I and II together are not sufficient to answer the question.

यदि कथन I और II दोनों में एक साथ दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.

यदि या तो अकेले कथन I या अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है।

(d) if the data in both statement I and II together are necessary to answer the question.

यदि कथन I और II दोनों में एक साथ दी गई जानकारी प्रश्न का उत्तर देने के लिए आवश्यक है।

(e) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

यदि अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है, जबकि अकेले कथन I में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

Q26. In the question given below two conclusions followed by two statements. You have to choose the correct set of statements that logically satisfies the given conclusions

Conclusions:

I. Some House are not Deal

II. Some Flat are Bangle

Statements:

I. Some Bangle are House. No deal is bangle. All House is Flat.

II. All Flat are Bangle. All Bangle are House. No Flat is Deal. नीचे दिए गए प्रश्न में दो निष्कर्ष और उसके बाद दो कथन दिए गए हैं। आपको कथनों के सही समूह का चयन करना है जो दिए गए निष्कर्षों को तार्किक रूप से संतुष्ट करता है

निष्कर्ष:

I. कुछ हाउस डील नहीं हैं

द्वितीय. कुछ फ्लैट बैंगल हैं

कथन:

I. कुछ बैंगल हाउस हैं। कोई डील बैंगल नहीं है। सभी हाउस फ्लैट हैं।

II. सभी फ्लैट बैंगल हैं। सभी बैंगल हाउस हैं। कोई फ्लैट डील नहीं है।

(a) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

यदि अकेले कथन I में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है, जबकि अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(b) if the data in both statement I and II together are not sufficient to answer the question.

यदि कथन I और II दोनों में एक साथ दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

(c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.

यदि या तो अकेले कथन I या अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है।

(d) if the data in both statement I and II together are necessary to answer the question.

यदि कथन I और II दोनों में एक साथ दी गई जानकारी प्रश्न का उत्तर देने के लिए आवश्यक है।

(e) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

यदि अकेले कथन II में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त है, जबकि अकेले कथन I में दी गई जानकारी प्रश्न का उत्तर देने के लिए पर्याप्त नहीं है।

Directions (27-29): Study the following information carefully and answer the questions given below.

P%Q (5)- P is 7m in south of Q

P#Q (4)- P is 6m in west of Q

P&Q (2)- P is 4m in north of Q

P@Q (8)- P is 10m in east of Q

Q@U(13), T&C(8), W%Q(14), T&J(10), J@W(6), C@G(9)

निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

P%Q (5)- P, Q के 7 मीटर दक्षिण में है

P#Q (4)- P, Q के 6 मीटर पश्चिम में है

P&Q (2)- P, Q के 4 मीटर उत्तर में है

P@Q (8)- P, Q के 10 मीटर पूर्व में है

Q@U(13), T&C(8), W%Q(14), T&J(10), J@W(6), C@G(9)

Q27. What is the direction and shortest distance of point G with respect to point U?

बिंदु U के सन्दर्भ में बिंदु G की दिशा और न्यूनतम दूरी क्या है?

(a) 25m, South-west

25 मीटर, दक्षिण-पश्चिम

(b) $\sqrt{340}$ m, South-east

$\sqrt{340}$ मीटर, दक्षिण-पूर्व

(c) 18m, South-East

18 मीटर, दक्षिण-पूर्व

(d) 16m, North

16 मीटर, उत्तर

(e) None of these/इनमें से कोई नहीं

Q28. What is the direction of point Q with respect to point C?

बिंदु C के सन्दर्भ में बिंदु Q की दिशा क्या है?

(a) North-west

उत्तर-पश्चिम

(b) South-east

दक्षिण-पूर्व

(c) North

उत्तर

(d) South

दक्षिण

(e) None of these/इनमें से कोई नहीं

Q29. If Point S is 13m West of point G then What is the direction of S with respect to U?

यदि बिंदु S, बिंदु G के 13 मीटर पश्चिम में है, तो U के सन्दर्भ में S की दिशा क्या है?

(a) South

दक्षिण

(b) North

उत्तर

(c) North east

उत्तर-पूर्व

(d) East

पूर्व

(e) None of these/इनमें से कोई नहीं

Directions (30-34): Study the following information carefully and answer the questions given below:

There are ten persons namely A, B, C, D, P, Q, R, S, Y and Z living on four different floors of a building. Ground floor is numbered as 1 and topmost floor is numbered as 4.

There are three flats on each floor- flat-1, flat-2 and flat-3 from west to east such that flat 2 is west of flat 3 and east of Flat 1. Flat-1 of second floor is exactly above flat-1 of first floor and other flats are placed in the same way. Not more than one flat is vacant in a particular floor or flat number.

S neither lives on odd numbered floor nor in odd numbered flat. B lives in east with respect to S. There is one floor gap between B and R and both have same flat number. The number of people lives in south west of R is same as the number of people lives in north east of P, who does not live in Even number flat. There are two floors gap between P and D. Y lives just above the floor of A who lives on an even numbered floor. A and Y lives in the same flat number. Q lives in east with respect to C. Both Z and R does not live in the same floor and same flat number. C lives just below the D's floor.. Flat-1 of any floor is not vacant.

निर्देश (30-34): निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दीजिए:

एक इमारत की चार अलग-अलग मंजिलों पर दस व्यक्ति अर्थात् A, B, C, D, P, Q, R, S, Y और Z रहते हैं। सबसे निचली मंजिल की संख्या 1 और सबसे ऊपरी मंजिल की संख्या 4 है।

प्रत्येक मंजिल पर पश्चिम से पूर्व की ओर तीन फ्लैट अर्थात् फ्लैट -1, फ्लैट -2 और फ्लैट -3 इस प्रकार हैं कि फ्लैट 2, फ्लैट 3 के पश्चिम में और फ्लैट 1 के पूर्व में है। दूसरी मंजिल का फ्लैट -1, पहली मंजिल के फ्लैट -1 के ठीक ऊपर है और अन्य फ्लैटों को इसी क्रम में रखा गया है। किसी विशेष मंजिल या फ्लैट संख्या में एक से अधिक फ्लैट रिक्त नहीं हैं।

S न तो विषम संख्या वाली मंजिल पर रहता है और न ही विषम संख्या वाले फ्लैट में रहता है। B, S के सन्दर्भ में पूर्व में रहता है। B और R के बीच में एक मंजिल का अंतर है और दोनों की फ्लैट संख्या समान है। R के दक्षिण-पश्चिम में रहने वाले लोगों की संख्या, P के उत्तर पूर्व में रहने वाले लोगों की संख्या के समान है, जो एक सम संख्या वाले फ्लैट में नहीं रहता है। P और D के बीच में दो मंजिलों का अंतर है। Y, A की मंजिल के ठीक ऊपर रहता है, जो एक सम संख्या वाली मंजिल पर रहता है। A और Y समान फ्लैट संख्या में रहते हैं। Q, C के सन्दर्भ में पूर्व में रहता है। Z और R दोनों एक ही मंजिल पर और एक ही फ्लैट संख्या में नहीं रहते हैं। C, D की मंजिल के ठीक नीचे रहता है। किसी भी मंजिल का फ्लैट-1 रिक्त नहीं है।

Q30. Who among the following lives in south with respect to Q?

Q के सन्दर्भ में निम्नलिखित में से कौन दक्षिण में रहता है?

(a) P

(b) Y

(c) A

(d) Z

(e) None of these/इनमें से कोई नहीं

Q31. Who among the following lives exactly in between A and B?

निम्नलिखित में से कौन A और B के ठीक बीच में रहता है?

- (a) D
(b) Y
(c) Z
(d) S
(e) None of these/इनमें से कोई नहीं

Q32. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

निम्नलिखित पांच में से चार एक निश्चित तरीके से एकसमान हैं और इसलिए वे एक समूह बनाते हैं। निम्नलिखित में से कौन सा उस समूह से संबंधित नहीं है?

- (a) D
(b) Y
(c) A
(d) P
(e) Z

Q33. In a certain way if Y is related to S, and A is related to Z in the same way, then find C is related to who among the following as per the given information?

एक निश्चित तरीके से, यदि Y, S से संबंधित है, और A, Z से संबंधित है, तो दी गई जानकारी के अनुसार C, निम्नलिखित में से किससे संबंधित है?

- (a) R
(b) Q
(c) B
(d) A
(e) P

Q34. Who among the following lives just below floor on which A lives?

निम्नलिखित में से कौन उस मंजिल के ठीक नीचे रहता है जिस पर A रहता है?

- (a) D
(b) P
(c) R
(d) C
(e) Y



Directions (35-38): In each of the following below is given a group of letters followed by four combinations of digits/symbols numbered (A), (B), (C) and (D). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and mark the number of that combination as the answer. If none of the four combinations correctly represents the group of letters, mark (E), i.e. 'None of these', as the answer-

Note: More than one condition may apply and follow them accordingly.

Letter	R	C	D	A	P	F	U	M	E	N	I	V	S	O	T
Digit/ Symbol	#	2	7	μ	%	3	&	9	1	@	5	©	6	8	\$

Conditions:

- (i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.
(ii) If both the second and the last letter is vowel, then their codes are to be interchanged.
(iii) If the second letter is a consonant and the second last letter is a vowel, both are to be coded as the code for the vowel.
(iv) If both first and fifth letter is consonant then both are coded as the code of third letter.

(v) If only one condition is applied then the code of first letter is interchanged with code of second letter and third letter code interchanged with fourth letter and so on.

निम्नलिखित में से प्रत्येक में अक्षरों का एक समूह दिया गया है जिसके बाद अंकों/प्रतीकों के चार संयोजन (A), (B), (C) और (D) दिए गए हैं। आपको यह ज्ञात करना है कि निम्नलिखित कूटलेखन प्रणाली के आधार पर कौन सा संयोजन अक्षरों के समूह का सही प्रतिनिधित्व करता है और उस संयोजन की संख्या को उत्तर के रूप में चिह्नित कीजिए। यदि चार संयोजनों में से कोई भी अक्षरों के समूह का सही प्रतिनिधित्व नहीं करता है, तो उत्तर के रूप में (E), अर्थात् 'इनमें से कोई नहीं' चिह्नित कीजिए।

ध्यान दीजिए: एक से अधिक शर्तें लागू हो सकती हैं और तदनुसार उनका अनुसरण कीजिए।

अक्षर	R	C	D	A	P	F	U	M	E	N	I	V	S	O	T
अंक/प्रतीक	#	2	7	μ	%	3	&	9	1	@	5	©	6	8	\$

शर्तें:

- (i) यदि पहला अक्षर स्वर है और अंतिम अक्षर व्यंजन है तो दोनों को व्यंजन के कूट के साथ कूटबद्ध किया जाता है।
(ii) यदि दूसरा और अंतिम अक्षर दोनों स्वर हैं, तो उनके कूटों को परस्पर बदल दिया जाता है।
(iii) यदि दूसरा अक्षर एक व्यंजन है और दूसरा अंतिम अक्षर एक स्वर है, तो दोनों को स्वर के कूट के रूप में कूटबद्ध किया जाता है।
(iv) यदि पहला और पांचवां दोनों अक्षर व्यंजन है तो दोनों को तीसरे अक्षर के कूट के रूप में कूटबद्ध किया जाता है।
(v) यदि केवल एक शर्त लागू होती है तो पहले अक्षर के कूट को दूसरे अक्षर के कूट से और तीसरे अक्षर के कूट को चौथे अक्षर के कूट से बदल दिया जाता है और यह क्रम आगे भी जारी रहता है।

Q35. DECANT

- (a) 12µ2\$2
 (b) 212µ@2
 (c) 12µ@22
 (d) 12µ2@2
 (e) None of these/इनमें से कोई नहीं

Q36. ADVENT

- (a) \$7©1@\$
 (b) 7\$1©\$\$@
 (c) 71©\$\$\$@
 (d) 17©@\$\$
 (e) None of these/इनमें से कोई नहीं

Q37. FORMNE

- (a) 31#9@8
 (b) #19©*#
 (c) #1#9#8
 (d) 1#98#@
 (e) None of these/इनमें से कोई नहीं

Q38. UNITED

- (a) 1&5\$17
 (b) &15\$17
 (c) 17\$571
 (d) 715\$17
 (e) None of these/इनमें से कोई नहीं

Directions (39-40): Read the following information carefully and answer the questions given below:

Seven students P, Q, R, S, T, U and V were born in same month of the different years- 2010, 2016, 2012, 2001, 2005, 2014 and 2019 but not necessarily in the same order. Q was born on an odd numbered year. Only three students were born between Q and U. R is 4 years younger than S. V was born on the year, which is divisible by three. T was born on an even numbered year before U. P was born one of the years before Q.

निम्नलिखित जानकारी को ध्यानपूर्व पढ़िए और नीचे दिए गए प्रश्नों के उत्तर दीजिए:

सात छात्र- P, Q, R, S, T, U और V का जन्म अलग-अलग वर्षों- 2010, 2016, 2012, 2001, 2005, 2014 और 2019 के एक ही महीने में हुआ था लेकिन आवश्यक नहीं कि इसी क्रम में हों। Q का जन्म विषम संख्या वाले वर्ष में हुआ था। Q और U के बीच में केवल तीन छात्रों का जन्म हुआ था। R, S से 4 वर्ष छोटा है। V का जन्म उस वर्ष हुआ था, जो तीन से विभाज्य है। T का जन्म U से पहले एक सम संख्या वाले वर्ष में हुआ था। P का जन्म Q से पहले किसी एक वर्ष में हुआ था।

Q39. How many students born in between S and V?

S और V के बीच में कितने छात्रों का जन्म हुआ था?

- (a) None /कोई नहीं
 (b) Two/दो
 (c) One/ एक
 (d) Three/ तीन
 (e) More than three/तीन से अधिक

Q40. Which of the following student was born before R and after S?

निम्नलिखित में से किस छात्र का जन्म R से पहले और S के बाद हुआ था?

- (a) T
 (b) P
 (c) Q
 (d) U
 (e) V

Q41. Which shortcut key is used to create a new folder in MS Windows?

MS विंडो में नया फोल्डर बनाने के लिए किस शॉर्टकट की का उपयोग किया जाता है?

- (a) Right Click Button+W+Enter
 राइट क्लिक बटन+W+एंटर
 (b) Ctrl+W+Shift
 (c) Right Click Button+F+Enter
 राइट क्लिक बटन + F + एंटर
 (d) Right Click Button+Q+Enter
 राइट क्लिक बटन + Q + एंटर
 (e) Ctrl+Shift+N

Q42. A handheld device that allows you to control your computer without typing instructions from a keyboard is known as_____.

एक हैंडहेल्ड डिवाइस जो आपको कीबोर्ड से निर्देश टाइप किए बिना आपके कंप्यूटर को नियंत्रित करने की अनुमति देता है, _____ के रूप में जाना जाता है।

- (a) Tablet /टेबलेट
 (b) PDA /पीडीए
 (c) Mouse/माउस
 (d) Mike /माइक
 (e) None of these/इनमें से कोई नहीं

Q43.Which one of the following is internet Standard Protocol?

निम्नलिखित में से कौन सा इंटरनेट मानक प्रोटोकॉल है?

- (a) TML
 (b) COBOL
 (c) JAVA
 (d) C++
 (e) TCP/IP

Q44.The modern keyboard typically has how many Function keys.

आधुनिक कीबोर्ड में आमतौर पर कितनी फंक्शन की होती हैं।

- (a) 10
 (b) 12
 (c) 14
 (d) 16
 (e) None of these/इनमें से कोई नहीं

Q45. Which of the following use by a user to access a mainframe or supercomputer?

मेनफ्रेम या सुपर कंप्यूटर तक पहुँचने के लिए उपयोगकर्ता द्वारा निम्नलिखित में से किसका उपयोग किया जाता है?

- (a) Handheld/ हैंडहेल्ड
- (b) Node /नोड
- (c) Desktop /डेस्कटॉप
- (d) Terminal /टर्मिनल
- (e) None of these/इनमें से कोई नहीं

Q46. ISDN stands for _____.

ISDN का पूर्ण रूप क्या है?

- (a) Integrated Services Digital Network
- (b) Integrated Services Data Network
- (c) Integrated Security Digital Network
- (d) Integrated Security Data Network
- (e) None of these/इनमें से कोई नहीं

Q47. Which of the following is related with 192.9.200.155?

निम्नलिखित में से कौन सा एक 192.9.200.155 से संबंधित है?

- (a) Hardware address /हार्डवेयर एड्रेस
- (b) Monitor address /मॉनिटर एड्रेस
- (c) IP address /IP एड्रेस
- (d) All of these /उपरोक्त सभी
- (e) None of these/इनमें से कोई नहीं

Q48. _____ is also known as inkless printer.

_____ को इंकलेस प्रिंटर के रूप में भी जाना जाता है।

- (a) Thermal printer /थर्मल प्रिंटर
- (b) Inkjet printer / इंकजेट प्रिंटर
- (c) OCR/ ओसीआर
- (d) Dot Matrix printer/ डॉट मैट्रिक्स प्रिंटर
- (e) None of these/इनमें से कोई नहीं

Q49. Which of the following communication modes provides bidirectional data transmission?

निम्नलिखित में से कौन सा संचार मोड द्विदिश डेटा संचरण प्रदान करता है?

- (a) Simplex /सिम्पलेक्स
- (b) Half Duplex /हाफ डुप्लेक्स
- (c) Full Duplex /फूल डुप्लेक्स
- (d) Both (b) and (c) /दोनों (b) और (c)
- (e) None of these/इनमें से कोई नहीं

Q50. Which of the following heading elements displays text with the same size as the normal text written in an HTML document?

निम्नलिखित में से कौन सा शीर्षक तत्व HTML डॉक्यूमेंट में लिखे गए सामान्य टेक्स्ट के समान आकार के टेक्स्ट को प्रदर्शित करता है?

- (a) <H1>
- (b) <H2>
- (c) <H3>
- (d) <H4>
- (e) <H5>

Q51. Which of the following is a translator program used for assembly language?

निम्नलिखित में से कौन-सा एक ट्रांसलेटर प्रोग्राम है जिसका प्रयोग असेम्बली भाषा के लिए किया जाता है?

- (a) Compiler / कम्पाइलर
- (b) Interpreter /एंटरप्रेटर
- (c) Translation /ट्रांसलेशन
- (d) Translator /ट्रांसलेटर
- (e) Assembler / असेम्बलर

Q52. Computers designed for specialised scientific work and specific instructions are called _____.

विशिष्ट वैज्ञानिक कार्य और विशिष्ट निर्देशों के लिए डिज़ाइन किए गए कंप्यूटर _____ कहलाते हैं।

- (a) Mainframe computers / मैनफ्रेम कंप्यूटर
- (b) Special purpose computers / स्पेशल पर्पस कंप्यूटर
- (c) Portable computers /पोर्टेबल कंप्यूटर
- (d) Super computers /सुपर कंप्यूटर
- (e) Mini computers /मिनी कंप्यूटर

Q53. What are programs such as Microsoft Edge that serve as navigable windows into the Web called as?

माइक्रोसॉफ्ट एज जैसे प्रोग्राम क्या कहलाते हैं जो वेब में नेविगेट करने योग्य विंडो के रूप में काम करते हैं?

- (a) Hypertext/ हाइपरटेक्स्ट
- (b) Web browsers / वेब ब्राउज़र
- (c) Internet/ इन्टरनेट
- (d) Networks /नेटवर्क
- (e) Windows Navigator /विंडो नेविगेटर

Q54. Which of the following network devices is used to connect networks using different protocols?

निम्नलिखित में से किस नेटवर्क डिवाइस का उपयोग विभिन्न प्रोटोकॉल का उपयोग करके नेटवर्क को जोड़ने के लिए किया जाता है?

- (a) Hub /हब
- (b) Switch/ स्विच
- (c) Router /राउटर
- (d) Gateway /गेटवे
- (e) Repeater /रिपीटर

Q55. Which command should be used to display all files within the specified subordinate directory of the subdirectory?

उपनिर्देशिका की निर्दिष्ट अधीनस्थ निर्देशिका में सभी फाइलों को प्रदर्शित करने के लिए किस कमांड का उपयोग किया जाना चाहिए?

- (a) Dir/pathname /Dir/ पाथनेम
- (b) Dir/pathname/pathname / Dir/ पाथनेम/ पाथनेम
- (c) Dir/ch /Dir/ ch
- (d) Dir/pathname/filename / Dir/ पाथनेम/ फाइलनेम
- (e) None of these/इनमें से कोई नहीं

Q56. Java was introduced by which of the following organisation?

जावा निम्नलिखित में से किस संगठन द्वारा पेश किया गया था?

- (a) Sun Microsystem / सन माइक्रोसिस्टम
- (b) IBM/ आईबीएम
- (c) Intel / इंटेल
- (d) Microsoft / माइक्रोसोफ्ट
- (e) AT & T/ AT और T

Q57.What is a spooler?

स्पूलर क्या है?

- (a) Type of printer / प्रिंटर का प्रकार
- (b) Peripheral device/ परिधीय उपकरण
- (c) Program /प्रोग्राम
- (d) Output device /आउटपुट डिवाइस
- (e) None of these/इनमें से कोई नहीं

Q58. C++, Java and PHP are _____ programming languages.

C++, Java और PHP _____ प्रोग्रामिंग लैंग्वेज हैं।

- (a) Procedure-oriented / प्रोसीजर ओरिएंटेड
- (b) Object oriented /ऑब्जेक्ट ओरिएंटेड
- (c) Font oriented /फॉन्ट ओरिएंटेड
- (d) Visual Basic /विसुअल बेसिक
- (e) None of these/इनमें से कोई नहीं

Q59. When a logic bomb is activated by a time-related event, it is known as a _____.

जब एक लॉजिक बॉम्ब समय से संबंधित घटना से सक्रिय होता है, तो इसे _____ के रूप में जाना जाता है।

- (a) Time-related bomb sequence / टाइम रिलेतेड बॉम्ब सीक्वेंस
- (b) Virus / वायरस
- (c) Time bomb / टाइम बॉम्ब
- (d) Trojan horse / ट्रोजन हॉर्स
- (e) All of the above/ उपरोक्त सभी

Q60. Which among the following is true about HTML and XML markup languages?

निम्नलिखित में से कौन HTML और XML मार्कअप भाषाओं के बारे में सही है?

- (a) They are specially development for the app development
वे ऐप विकास के लिए विशेष रूप से विकास कर रहे हैं
- (b) They are based on SGML
वे SGML पर आधारित हैं
- (c) They are versions of SGML
वे SGML के संस्करण हैं
- (d) They are independent of SGML
वे SGML से स्वतंत्र हैं
- (e) None of these/इनमें से कोई नहीं

Q61. Which of the following are tags, when placed on an animal, can be used to record and track in a database all of the animal's movements?

निम्नलिखित में से कौन सा टैग है, जब किसी पशु पर लगाया जाता है, तो उसका उपयोग डेटाबेस में पशुओं की सभी गतिविधियों को रिकॉर्ड और ट्रैक करने के लिए किया जा सकता है?

- (a) POS
- (b) RFID
- (c) OCR
- (d) AR
- (e) MICR

Q62.Which among the following is not a valid key in a relational database model?

निम्नलिखित में से कौन सा रिलेशनल डेटाबेस मॉडल में मान्य की नहीं है?

- (a) Primary Key /प्राइमरी की
- (b) Candidate Key /कैंडिडेट की
- (c) Foreign Key /फॉरेन की
- (d) Track Key /ट्रैक की
- (e) Super Key /सुपर की

Q63.What is a hyperlink?

हाइपरलिंक क्या है?

(a) It is a text or image that you can click on to jump to a new document/page.

यह एक टेक्स्ट या इमेज है जिस पर क्लिक करके आप एक नए डॉक्यूमेंट/पेज पर जा सकते हैं।

(b) It is an input type for multimedia files.

यह मल्टीमीडिया फ़ाइलों के लिए एक इनपुट प्रकार है।

(c) It is a collection or directory of web pages.

यह वेब पेजों का संग्रह या निर्देशिका है।

(d) It is the home page of a site.

यह किसी साइट का होम पेज होता है।

(e) None of the above

उपरोक्त में से कोई नहीं

Q64. Which of the following threads is used in an operating system?

ऑपरेटिंग सिस्टम में निम्न में से किस थ्रेड का उपयोग किया जाता है?

(a) User-level thread

यूजर-लेवल थ्रेड

(b) Kernel-level thread

कर्नल-लेवल थ्रेड

(c) Hardware-level thread

हार्डवेयर लेवल थ्रेड

(d) Both (a) and (b)

दोनों (a) और (b)

(e) None of these/इनमें से कोई नहीं

Q65. In number system, LSD stands for _____.

संख्या प्रणाली में, LSD का पूर्ण रूप क्या है

- (a) Left Significant Digit
- (b) Low Significant Digit
- (c) Lower Significant Digit
- (d) Least Significant Digit
- (e) Low Simple Digit

Q66. _____ are the gates that can be used to implement any type of Boolean logic.

_____ वे द्वार हैं जिनका उपयोग किसी भी प्रकार के बूलियन तर्क को लागू करने के लिए किया जा सकता है।

- (a) OR gates /OR गेट
- (b) Universal gates/ यूनिवर्सल गेट
- (c) NAND gates / नंद गेट
- (d) Exclusive-NOR gates/ एक्सक्लूसिव -नॉर गेट
- (e) AND gates /एंड गेट

Q67.The hexadecimal number system represents symbols _____ and _____.

हेक्साडेसिमल संख्या प्रणाली _____ और _____ प्रतीकों का प्रतिनिधित्व करती है।

- (a) 0-9, A-E
- (b) 0-9, A-F
- (c) 1-10, A-E
- (d) 1-10, A-F
- (e) None of these/इनमें से कोई नहीं

Q68.What acts as master software that works as a mediator between a computer user and the hardware of a computer?

मास्टर सॉफ्टवेयर के रूप में क्या कार्य करता है जो कंप्यूटर उपयोगकर्ता और कंप्यूटर के हार्डवेयर के बीच मध्यस्थ के रूप में कार्य करता है?

- (a) Application Program /एप्लीकेशन प्रोग्राम
- (b) Motherboard / मदरबोर्ड
- (c) Antivirus /एंटीवायरस
- (d) Operating System/ ऑपरेटिंग सिस्टम
- (e) Physical Layer /फिजिकल लेयर



Q69. A _____ is a component of motherboard which absorbs the heat produced by the processor and other components of a computer.

एक _____ मदरबोर्ड का एक घटक है जो प्रोसेसर और कंप्यूटर के अन्य घटकों द्वारा उत्पादित गर्मी को अवशोषित करता है।

- (a) Heat sink / हीट सिंक
- (b) Northbridge / नार्थब्रिज
- (c) CPU socket / CPU सॉकेट
- (d) CMOS battery / CMOS बैटरी
- (e) None of these/इनमें से कोई नहीं

Q70.Which of the following is generally used for selecting or highlighting?

निम्नलिखित में से किसका प्रयोग सामान्यतः चयन या हाइलाइट करने के लिए किया जाता है?

- (a) Icon /आइकॉन
- (b) Keyboard / कीबोर्ड
- (c) Mouse / माउस
- (d) Floppy Disk / फ्लॉपी डिस्क
- (e) None of these/इनमें से कोई नहीं

Q71. _____ ensures secure transfer of data over an unsecured network, such as the Internet.

_____ इंटरनेट जैसे एक असुरक्षित नेटवर्क, पर डेटा का सुरक्षित हस्तांतरण सुनिश्चित करता है।

- (a) Antivirus
एंटीवायरस
- (b) Hacking
हैकिंग
- (c) Cracking
क्रेकिंग
- (d) Spoofing
स्पूफिंग
- (e) Cryptography
क्रिप्टोग्राफी

Q72.Which among the following is the most suitable type of network that phone lines would use?

निम्नलिखित में से कौन सा नेटवर्क का सबसे उपयुक्त प्रकार है जिसका उपयोग फोन लाइनें करती हैं?

- (a) WAN
- (b) LAN
- (c) WWAN
- (d) CAN
- (e) SAN

Q73.The SubSeven is an example of :

SubSeven किसका एक उदाहरण है

- (a) antivirus / एंटीवायरस
- (b) Spyware/ स्पाइवेयर
- (c) Spam/ स्पैम

- (d) Adware/ एडवेयर
(e) Trojan horse/ ट्रोजन हॉर्स

Q74. Which of the following is the activity of purchasing items and products from different websites on the internet and using online modes, such as credit cards and debit cards, to make the payments?

एंटरनेट पर विभिन्न वेबसाइटों से वस्तुओं और उत्पादों को खरीदने और भुगतान करने के लिए क्रेडिट कार्ड और डेबिट कार्ड जैसे ऑनलाइन मोड का उपयोग करने की गतिविधि निम्नलिखित में से कौन सी है?

- (a) E-banking / ई-बैंकिंग
(b) Online shopping / ऑनलाइन शॉपिंग
(c) Online reservation / ऑनलाइन रिजर्वेशन
(d) M-reservation / एम-रिजर्वेशन
(e) E-governance / ई-गवर्नेंस

Q75. Identify the volatile storage device amongst the following devices?

निम्नलिखित उपकरणों में से वोलेटाइल स्टोरेज डिवाइस की पहचान कीजिए।

- (a) RAM / रैम
(b) Hard disc / हार्ड डिस्क
(c) Magnetic tape / मैग्नेटिक टेप
(d) ROM / रोम
(e) None of these/ इनमें से कोई नहीं

Q76. OSI model has how many layers?

OSI मॉडल में कितनी लेयर होती हैं?

- (a) Two layers / दो लेयर
(b) Five Layers/ पांच लेयर
(c) Seven Layers/ सात लेयर
(d) Six Layers /छह लेयर
(e) Eight Layers /आठ लेयर

Q77. In first generation of computers, they used which among the following?

कंप्यूटर की पहली पीढ़ी में, निम्नलिखित में से किसका उपयोग किया?

- (a) Batch processing / बैच प्रोसेसर
(b) Multithreading / मल्टीथ्रेडिंग
(c) Multiprogramming/ मल्टीप्रोग्रामिंग
(d) Networking / नेटवर्किंग
(e) All of the above/ उपरोक्त सभी

Q78. Which of the following option depicts the type of result whose value is either TRUE or FALSE?

निम्नलिखित में से कौन सा विकल्प परिणाम के प्रकार को दर्शाता है जिसका मान या तो TRUE या FALSE है?

- (a) Logical /लॉजिकल
(b) Arithmetic /अरिथमेटिक
(c) Algorithm /अल्गोरिथम

- (d) Logarithm/ लॉगरिथम
(e) None of these/ इनमें से कोई नहीं

Q79. Example of I/O device is a _____.
I/O डिवाइस का उदाहरण एक _____ है।

- (a) Touch Screen/ टच स्क्रीन
(b) RAM /रैम
(c) Cache/ कैश
(d) VMware / वीएमवेयर
(e) Chromium/ क्रोमियम

Q80. Which of the following supports 32-bit processor?
निम्न में से कौन 32-बिट प्रोसेसर को सपोर्ट करता है?

- (a) Windows 2000 /विंडो 2000
(b) Windows 7 /विंडो 7
(c) Windows 8.1 / विंडो 8.1
(d) All of the above/ उपरोक्त सभी
(e) None of these/ इनमें से कोई नहीं

Q81. Which state has launched the Digital Lok Adalat in their respective states as part of the third National Lok Adalat of 2022?

किस राज्य ने 2022 की तीसरी राष्ट्रीय लोक अदालत के हिस्से के रूप में अपने-अपने राज्यों में डिजिटल लोक अदालत शुरू की है?

- (i) Rajasthan/राजस्थान
(ii) Maharashtra/महाराष्ट्र
(iii) Madhya Pradesh/मध्य प्रदेश
(a) Only (i)/ केवल (i)
(b) Only (ii)/ केवल (ii)
(c) Only (iii)/ केवल (iii)
(d) Both (i) & (ii)/ दोनों (i) और (ii)
(e) Both (ii) & (iii)/ दोनों (ii) और (iii)

Q82. PM Narendra Modi sets 'Panch Pran' target for next ____.

प्रधानमंत्री नरेंद्र मोदी ने अगले _____ के लिए 'पंच प्राण' लक्ष्य निर्धारित किया।

- (a) 05 yrs/05 वर्ष
(b) 10 yrs/10 वर्ष
(c) 15 yrs/15 वर्ष
(d) 20 yrs/20 वर्ष
(e) 25 yrs/25 वर्ष

Q83. Which bank has signed an agreement with Kerala's Forest and Wildlife Department to enable digital collection of payments at eco-tourism centres, Vanasree shops, mobile Vanasree units, and eco-shops across the State?

किस बैंक ने केरल के वन और वन्यजीव विभाग के साथ राज्य भर में इको-टूरिज्म सेंटर, वनश्री दुकानों, मोबाइल वनश्री इकाइयों और इको-

शॉप पर भुगतान के डिजिटल संग्रह को सक्षम करने के लिए एक समझौते पर हस्ताक्षर किए हैं?

- (a) IndusInd Bank/ इंडसइंड बैंक
- (b) HDFC Bank/ एचडीएफसी बैंक
- (c) South Indian Bank/ साउथ इंडियन बैंक
- (d) Axis Bank/ एक्सिस बैंक
- (e) Yes Bank/ यस बैंक

Q84. On the occasion of the second anniversary of the Prime Minister Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi) scheme, the Housing and Urban Affairs Minister, Hardeep Singh Puri launched the 'SVANidhi Mahotsav'. Identify Incorrect statements regarding the scheme-

प्रधान मंत्री स्ट्रीट वेंडर की आत्म निर्भर निधि (पीएम स्वानिधि) योजना की दूसरी वर्षगांठ के अवसर पर, आवास और शहरी मामलों के मंत्री, हरदीप सिंह पुरी ने 'स्वानिधि महोत्सव' का शुभारंभ किया। योजना के संबंध में गलत कथनों की पहचान कीजिए-

(i) Ministry of Housing & Urban Affairs launched a scheme PM Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi) आवास और शहरी मामलों के मंत्रालय ने एक योजना पीएम स्ट्रीट वेंडर की आत्म निर्भर निधि (पीएम स्वनिधि) शुरू की।

(ii) The vendors, availing loans under the scheme, are eligible to get an interest subsidy @5%.

योजना के तहत ऋण लेने वाले विक्रेता, 5% की दर से ब्याज सब्सिडी प्राप्त करने के पात्र हैं।

(iii) The scheme is a Central Sector Scheme.

यह योजना एक केंद्रीय क्षेत्र की योजना है।

- (a) Only (i)/ केवल (i)
- (b) Only (ii)/ केवल (ii)
- (c) Only (iii)/ केवल (iii)
- (d) Both (i) & (ii)/ दोनों (i) और (ii)
- (e) Both (i) & (iii)/ दोनों (i) और (iii)

Q85. Union home minister, Amit Shah virtually unveiled the 'Statue of Peace' of Swamy Ramanujacharya in-

केंद्रीय गृह मंत्री, अमित शाह ने कहाँ स्वामी रामानुजाचार्य की 'स्टैच्यू ऑफ पीस' का वस्तुतः अनावरण किया?

- (a) Bhopal/ भोपाल
- (b) Srinagar/ श्रीनगर
- (c) Patna/ पटना
- (d) Kashmir/ कश्मीर
- (e) Coorg/ कूर्ग

Q86. Varinder Singh passed away recently, he was related to which sport?

वरिंदर सिंह का हाल ही में निधन हो गया, वह किस खेल से संबंधित थे?

- (a) Badminton/ बैडमिंटन
- (b) Cricket/ क्रिकेट
- (c) Hockey/ हॉकी
- (d) Tennis/ टेनिस
- (e) Swimming/ तैराकी

Q87. Which company signed an MoU with a Belarusian Company and its subsidiary for the supply of Airborne Defence Suite (ADS) for helicopters of the Indian Air Force (IAF)?

भारतीय वायु सेना (IAF) के हेलीकॉप्टरों के लिए एयरबोर्न डिफेंस सूट (ADS) की आपूर्ति के लिए किस कंपनी ने बेलारूसी कंपनी और उसकी सहायक कंपनी के साथ समझौता ज्ञापन पर हस्ताक्षर किए?

- (a) Bharat Dynamics/ भारत डायनेमिक्स
- (b) Hindustan Aeronautics Limited/ हिंदुस्तान एयरोनॉटिक्स लिमिटेड
- (c) Bharat Electronics Limited/ भारत इलेक्ट्रॉनिक्स लिमिटेड
- (d) Bharat Heavy Electricals Limited/ भारत हेवी इलेक्ट्रिकल्स लिमिटेड
- (e) Engineers India Limited/ इंजीनियर्स इंडिया लिमिटेड

Q88. Global Liveability Index is released by _____.

ग्लोबल लिवेबिलिटी इंडेक्स _____ द्वारा जारी किया जाता है।

- (a) Transparency International/ ट्रांसपेरेंसी इंटरनेशनल
- (b) Economist Intelligence Unit/ अर्थशास्त्री खुफिया इकाई
- (c) UNDP/ यूएनडीपी
- (d) UNESCO/ यूनेस्को
- (e) UNEP/ यूएनईपी

Q89. Which bank has received in-principle approval from the Reserve Bank of India for its proposed operations support subsidiary aimed at bringing down the cost-to-income ratio?

लागत-से-आय अनुपात को कम करने के उद्देश्य से किस बैंक को अपनी प्रस्तावित संचालन सहायता सहायक के लिए भारतीय रिजर्व बैंक से सैद्धांतिक मंजूरी मिली है?

- (a) SBI/ एसबीआई
- (b) Bank of India/ बैंक ऑफ इंडिया
- (c) IDBI Bank/ आईडीबीआई बैंक
- (d) IDFC First Bank/ आईडीएफसी फर्स्ट बैंक
- (e) Canara Bank/ केनरा बैंक

Q90. Capital markets are mainly divided into how many types?

पूंजी बाजार को मुख्य रूप से कितने प्रकारों में बांटा गया है?

- (a) 2
- (b) 3
- (c) 4
- (d) 5
- (e) 6

Q91. Who will take over as managing director and chief executive officer of Mercedes-Benz (The German luxury automaker) India's operations on January 1, 2023?

1 जनवरी, 2023 को मर्सिडीज-बेंज (जर्मन लक्जरी ऑटोमेकर) भारत के संचालन के प्रबंध निदेशक और मुख्य कार्यकारी अधिकारी के रूप में कौन कार्यभार संभालेगा?

- (a) Ravi Shastri/ रवि शास्त्री
- (b) T. Raja Kumar/ टी राजा कुमार

- (c) Sandeep Kumar Gupta/ संदीप कुमार गुप्ता
 (d) Santosh Iyer/ संतोष अय्यर
 (e) Asit Rath/ असित रथ

Q92. India will have 1.8 lakh Kms of Highways & 1.2 lakh Kms of Rail Lines by which year?

भारत में किस वर्ष तक 1.8 लाख किलोमीटर राजमार्ग और 1.2 लाख किलोमीटर रेल लाइनें होंगी?

- (a) 2023
 (b) 2024
 (c) 2025
 (d) 2027
 (e) 2030

Q93. A new biography, titled "Soli Sorabjee: Life and Times" was announced, on the occasion of the 92nd birth anniversary of Soli Sorabjee. Who is the author of the biography?

सोली सोराबजी की 92वीं जयंती के अवसर पर "सोली सोराबजी: लाइफ एंड टाइम्स" शीर्षक से एक नई जीवनी की घोषणा की गई। जीवनी के लेखक कौन हैं?

- (a) Abhinav Bindra/ अभिनव बिंद्रा
 (b) Abhinav Kapoor/ अभिनव कपूर
 (c) Abhinav Mishra/ अभिनव मिश्रा
 (d) Abhinav Gupta/ अभिनव गुप्ता
 (e) Abhinav Chandrachud/ अभिनव चंद्रचूड़

Q94. At the Rashtrapati Bhavan Museum, Rashtrapati Bhavan organised a workshop on "Disaster Management of Museums and Heritage Buildings" in collaboration with the National Institute of Disaster Management (NIDM). The National Institute of Disaster Management (NIDM) is located at which place?

राष्ट्रपति भवन संग्रहालय में, राष्ट्रपति भवन ने राष्ट्रीय आपदा प्रबंधन संस्थान (एनआईडीएम) के सहयोग से "संग्रहालयों और विरासत भवनों के आपदा प्रबंधन" पर एक कार्यशाला का आयोजन किया। राष्ट्रीय आपदा प्रबंधन संस्थान (NIDM) किस स्थान पर स्थित है?

- (a) Kohima/ कोहिमा
 (b) Srinagar/ श्रीनगर
 (c) New Delhi / नई दिल्ली
 (d) Kozhikode/ कोझीकोड
 (e) Kolkata/ कोलकाता

Q95. Jyothi Surekha Vennam has won the gold medal for India in which sports at the World Games 2022 in Birmingham?

ज्योति सुरेखा वेन्नम ने बर्मिंघम में विश्व खेल 2022 में भारत के लिए किस खेल में स्वर्ण पदक जीता है?

- (a) Archery/ तीरंदाजी
 (b) Sprinting/ दौड़ना
 (c) Shooting/ शूटिंग
 (d) Wrestling/ कुश्ती
 (e) Boxing/ मुक्केबाजी

Q96. Which social media platform has launched an 'alert' feature to help find missing children?

लापता बच्चों को खोजने में मदद करने के लिए किस सोशल मीडिया प्लेटफॉर्म ने 'अलर्ट' फीचर लॉन्च किया है?

- (a) Meta/ मेटा
 (b) Instagram/ इंस्टाग्राम
 (c) Telegram/ टेलीग्राम
 (d) Twitter/ ट्विटर
 (e) Whatsapp/ व्हाट्सएप

Q97. Who has launched the 'Lifestyle for the Environment (LiFE) Movement', a global initiative with the vision to live a lifestyle that is in tune with our planet and does not harm it?

किसने 'लाइफस्टाइल फॉर द एनवायरनमेंट (एलआईएफई) मूवमेंट' शुरू किया है, जो एक ऐसी वैश्विक पहल है जो हमारे ग्रह के अनुरूप जीवन शैली जीने की दृष्टि से है और इसे नुकसान नहीं पहुंचाती है?

- (a) Amit Shah/ अमित शाह
 (b) Anurag Thakur/ अनुराग ठाकुर
 (c) Narendra Modi/ नरेंद्र मोदी
 (d) Dharmendra Pradhan/ धर्मेंद्र प्रधान
 (e) None of these/ इनमें से कोई नहीं

Q98. Kotak Mahindra Bank has launched its new enterprise portal for business banking and corporate clients, which can be used by the bank's customers to carry out all trade and service transactions. What is the name of the portal?

कोटक महिंद्रा बैंक ने व्यावसायिक बैंकिंग और कॉर्पोरेट ग्राहकों के लिए अपना नया उद्यम पोर्टल लॉन्च किया है, जिसका उपयोग बैंक के ग्राहक सभी व्यापार और सेवा लेनदेन करने के लिए कर सकते हैं। पोर्टल का नाम क्या है?

- (a) Kotak NUE/ कोटक NUE
 (b) Kotak MUE/ कोटक MUE
 (c) Kotak FYN/ कोटक FYN
 (d) Kotak FUE/ कोटक FUE
 (e) Kotak NEW/ कोटक NEW

Q99. The World Creativity and Innovation Week is observed every year to raise awareness about the importance of creativity and innovation in problem-solving and encourage creative multidisciplinary thinking at the individual and group levels. It is observed from-

विश्व रचनात्मकता और नवाचार सप्ताह हर वर्ष समस्या-समाधान में रचनात्मकता और नवाचार के महत्व के बारे में जागरूकता बढ़ाने और व्यक्तिगत और समूह स्तरों पर रचनात्मक बहु-विषयक सोच को प्रोत्साहित करने के लिए मनाया जाता है। यह कब मनाया जाता है?

- (a) 7th April to 13th April/7 अप्रैल से 13 अप्रैल
 (b) 15th April to 21st April/15 अप्रैल से 21 अप्रैल
 (c) 7th March to 13th March/7 मार्च से 13 मार्च
 (d) 15th March to 21st March/15 मार्च से 21 मार्च
 (e) 21st April to 26th April/21 अप्रैल से 26 अप्रैल

Q100. Derivative instruments are capital market financial instruments whose values are determined by the underlying assets, such as currency, bonds, stocks, and stock indexes. Which of the following is NOT a type of derivative instrument?

व्युत्पन्न उपकरण पूंजी बाजार के वित्तीय साधन हैं जिनके मूल्य अंतर्निहित परिसंपत्तियों, जैसे मुद्रा, बांड, स्टॉक और स्टॉक इंडेक्स द्वारा निर्धारित किए जाते हैं। निम्नलिखित में से कौन सा व्युत्पन्न साधन का एक प्रकार नहीं है?

- (a) Forward/ फॉरवर्ड
- (b) Future/ फ्यूचर
- (c) Backward/ बैकवर्ड
- (d) Options/ ऑप्शन
- (e) Interest Rate Swap/ ब्याज दर स्वेप

Q101. Immediate Payment Service (IMPS) public launch on

तत्काल भुगतान सेवा (आईएमपीएस) सार्वजनिक रूप से कब शुरू हुआ?

- (a) 23rd November 2010 / 23 नवंबर 2010
- (b) 22nd November 2011/ 22 नवंबर 2011
- (c) 22nd November 2012/ 22 नवंबर 2012
- (d) 22nd November 2010/ 22 नवंबर 2010
- (e) 22nd December 2010/ 22 दिसंबर 2010

Q102. Which tech giant announced the launch of 'Play Pass' subscription service in India that will provide Android device users access to over 1,000 applications and games without ads?

किस तकनीकी दिग्गज ने भारत में 'प्ले पास' सदस्यता सेवा शुरू करने की घोषणा की है, जो एंड्रॉइड डिवाइस उपयोगकर्ताओं को विज्ञापनों के बिना 1,000 से अधिक एप्लिकेशन और गेम तक पहुंच प्रदान करेगी?

- (a) Microsoft/ माइक्रोसॉफ्ट
- (b) Dell/ डेल
- (c) Tata/ टाटा
- (d) Google/ गूगल
- (e) Youtube यूट्यूब /

Q103. The Central Depository Services (India) Limited (CDSL) has become the first and only listed depository in India to register more than 60 million _____ accounts.

सेंट्रल डिपॉजिटरी सर्विसेज (इंडिया) लिमिटेड (सीडीएसएल) भारत में 60 मिलियन से अधिक _____ खातों को पंजीकृत करने वाली पहली और एकमात्र सूचीबद्ध डिपॉजिटरी बन गई है।

- (a) Current / चालू
- (b) Savings / बचत
- (c) Demat / डीमैट
- (d) Recurring / रिकरिंग
- (e) NRI/एनआरआई

Q104. Mohammad Sanusi Barkindo has passed away recently, He was the secretary-general of which of the following organization?

मोहम्मद सानुसी बरकिंडो का हाल ही में निधन हो गया है, वह निम्नलिखित में से किस संगठन के महासचिव थे?

- (a) WHO/ विश्व स्वास्थ्य संगठन
- (b) OPEC/ ओपेक (पेट्रोलियम निर्यातक देशों का संगठन)
- (c) WTO/ विश्व व्यापार संगठन
- (d) UNICEF/ संयुक्त राष्ट्र बाल कोष
- (e) IMF/ अंतरराष्ट्रीय मुद्रा कोष

Q105. The Defence ministry gave private sector banks permission to offer financial support to it for the purchase of military equipment abroad. Which of the following bank got the approval?

रक्षा मंत्रालय ने निजी क्षेत्र के बैंकों को विदेश में सैन्य उपकरणों की खरीद के लिए वित्तीय सहायता की पेशकश करने की अनुमति दी। निम्नलिखित में से किस बैंक को मंजूरी मिली?

- (a) ICICI Bank/ आईसीआईसीआई बैंक
- (b) Axis Bank/ एक्सिस बैंक
- (c) HDFC Bank/ एचडीएफसी बैंक
- (d) Only a & b/ केवल a और b
- (e) All a, b & c/ सभी a, b और c

Q106. Former all-rounder Cricketer Andrew Symonds was killed in a car crash. He hailed from which of the following country?

पूर्व ऑलराउंडर क्रिकेटर एंड्रयू साइमंड्स की कार दुर्घटना में मौत हो गई। वह निम्नलिखित में से किस देश से थे?

- (a) USA/ अमेरिका
- (b) Germany/ जर्मनी
- (c) Sri Lanka/ श्रीलंका
- (d) Australia/ ऑस्ट्रेलिया
- (e) Serbia/ सर्बिया

Q107. Which of the following is not a feature of Indian call money market?

निम्नलिखित में से कौन-सी भारतीय कॉल मनी मार्केट की विशेषता नहीं है?

- (a) The call money market is highly sensitive and competitive market

कॉल मनी मार्केट एक अत्यधिक संवेदनशील और प्रतिस्पर्धी बाजार है।
(b) Mainly the banks participate in the call money market. मुख्य रूप से बैंक, कॉल मनी मार्केट में भाग लेते हैं

(c) Call money market provides the institutional arrangement for making the temporary surplus of some banks available to other banks which are temporary in short of funds.

कॉल मनी मार्केट कुछ बैंकों के अस्थायी अधिशेष को अन्य बैंकों को उपलब्ध कराने के लिए संस्थागत व्यवस्था प्रदान करता है, जिनके पास अस्थायी रूप से धन की कमी होती है

(d) The rate of interest in the call money market is highly stable./ कॉल मनी मार्केट में ब्याज दर अत्यधिक स्थिर है

(e) None of the above /उपरोक्त में से कोई नहीं

Q108. IRDAI and National Health Authority (NHA) will develop a National Health Claims Exchange as a digital platform to settle health claims. Where is the Headquarter of IRDAI located?

IRDAI और राष्ट्रीय स्वास्थ्य प्राधिकरण (NHA) स्वास्थ्य दावों को निपटाने के लिए एक डिजिटल प्लेटफॉर्म के रूप में एक राष्ट्रीय स्वास्थ्य क्लेम एक्सचेंज विकसित करेंगे। IRDAI का मुख्यालय कहाँ स्थित है?

- (a) Mumbai/ मुंबई
- (b) New Delhi/ नई दिल्ली
- (c) Bengaluru/ बेंगलुरु
- (d) Hyderabad/ हैदराबाद
- (e) Noida/ नोएडा

Q109. Children have chosen 'anxiety' as their word of the year for 2021, according to new research from Oxford University Press (OUP). What was the 2020 Oxford Children's Word of the Year?

ऑक्सफोर्ड यूनिवर्सिटी प्रेस (OUP) के नए शोध के अनुसार, बच्चों ने वर्ष 2021 के लिए 'anxiety' को वर्ष के अपने शब्द के रूप में चुना है। 2020 का ऑक्सफोर्ड चिल्ड्रन वर्ड ऑफ द ईयर क्या था?

- (a) Well-being
- (b) Isolation
- (c) Coronavirus
- (d) Pandemic
- (e) Mental Health

Q110. National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore, with support from which the ministry has launched the "Stree Manoraksha project"?

राष्ट्रीय मानसिक स्वास्थ्य और तंत्रिका विज्ञान संस्थान (NIMHANS) बैंगलोर ने किस मंत्रालय के समर्थन के साथ "स्त्री मनोरक्षा परियोजना" शुरू की है?

- (a) Ministry of Woman and Child Development
महिला और बाल विकास मंत्रालय
- (b) Ministry of Health and Family Welfare
स्वास्थ्य और परिवार कल्याण मंत्रालय
- (c) Ministry of AYUSH
आयुष मंत्रालय
- (d) Ministry of Housing and Urban Affairs
आवास और शहरी मामलों के मंत्रालय
- (e) None of these/इनमें से कोई नहीं



Q111. Which state has launched an Android App 'Shaili', aimed at diagnosing and controlling lifestyle diseases among the people?

किस राज्य ने लोगों में जीवन शैली की बीमारियों का निदान और नियंत्रण करने के उद्देश्य से एक एंड्रॉइड ऐप 'Shaili' लॉन्च किया है?

- (a) Rajasthan/ राजस्थान
- (b) Haryana/ हरियाणा
- (c) Himachal Pradesh/ हिमाचल प्रदेश
- (d) Kerala/ केरल
- (e) Karnataka/ कर्नाटक

Q112. With which country, India signed an Economic Cooperation and Trade Agreement which will provide zero-duty access to 96 percent of India's exports to the country, slashing import duties on a wide range of items from that country?

किस देश के साथ भारत ने एक आर्थिक सहयोग और व्यापार समझौते पर हस्ताक्षर किए, जो देश को भारत के निर्यात के 96 प्रतिशत के लिए शून्य-शुल्क पहुंच प्रदान करेगा, उस देश से वस्तुओं की एक विस्तृत श्रृंखला पर आयात शुल्क में कमी करेगा?

- (a) Australia/ ऑस्ट्रेलिया
- (b) Russia/ रूस
- (c) America/ अमेरिका
- (d) UK/ यूनाइटेड किंगडम
- (e) France/ फ्रांस

Q113. Which bank has been adjudged Best Performing Bank in Self Help Group Linkage by National Rural Livelihood Mission (NRLM), Ministry of Rural Development, Govt of India?

राष्ट्रीय ग्रामीण आजीविका मिशन (NRLM), ग्रामीण विकास मंत्रालय, भारत सरकार द्वारा किस बैंक को स्वयं सहायता समूह लिंकेज में सर्वश्रेष्ठ प्रदर्शन करने वाला बैंक चुना गया है?

- (a) Punjab National Bank/ पंजाब नेशनल बैंक
- (b) Axis Bank/ एक्सिस बैंक
- (c) Yes Bank/ यस बैंक
- (d) HDFC Bank/ एचडीएफसी बैंक
- (e) Kotak Mahindra Bank/ कोटक महिंद्रा बैंक

Q114. National Financial Switch (NFS) ATM network having 37 members and connecting about 50,000 ATMs was taken over by NPCI from Institute for Development and Research in Banking Technology (IDRBT) on December 14, 2009. It offers one of the services abbreviated as ANS, Expand ANS-

राष्ट्रीय वित्तीय स्विच (NFS) एटीएम नेटवर्क जिसमें 37 सदस्य हैं और लगभग 50,000 एटीएम को जोड़ता है, का एनपीसीआई ने 14 दिसंबर, 2009 को बैंकिंग प्रौद्योगिकी विकास और अनुसंधान संस्थान (आईडीआरबीटी) से अधिग्रहण कर लिया था। यह ANS (संक्षिप्त) के रूप में एक सेवा प्रदान करता है, ANS का विस्तार कीजिए।

- (a) Aadhar Number Statement
- (b) Aadhar Number Services
- (c) Aadhar Number Seeding
- (d) All New Savings
- (e) All Number Services

Q115. It is a method by which banks borrow from each other to be able to maintain the cash reserve ratio.

यह एक ऐसी विधि है जिसके द्वारा बैंक नकद आरक्षित अनुपात को बनाए रखने में सक्षम होने के लिए एक दूसरे से उधार लेते हैं।

- (a) Commercial bill/ कमर्शियल बिल
- (b) Commercial papers/ कमर्शियल पेपर
- (c) Call money/ कॉल मनी
- (d) Open Market Operations/ ओपन मार्केट ऑपरेशन
- (e) None of the above/ उपरोक्त में से कोई नहीं

Q116. The Hon'ble Prime Minister Inaugurated the Digital India Week, a Digital Expo - Digital Mela at Gandhinagar, Gujarat. Identify the correct statement regarding the event-

माननीय प्रधानमंत्री ने गुजरात के गांधीनगर में डिजिटल इंडिया सप्ताह, एक डिजिटल एक्सपो-डिजिटल मेला का उद्घाटन किया। आयोजन के संबंध में सही कथन की पहचान कीजिए-

(i) It was organized by the Ministry of Electronics and information Technology (MeitY).

यह इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय (MeitY) द्वारा आयोजित किया गया था।

(ii) Theme of the event was 'Digital India: Catalyzing New India's Techade'.

आयोजन का विषय 'डिजिटल इंडिया: कैटालाइजिंग न्यू इंडियाज टेकेड' था।

(iii) One of the most important initiatives was also launched named as "Legal Information Management and Briefing System" (LIMBS), which utilizes standard templates, monitors the court cases in a proactive, transparent and effective manner.

सबसे महत्वपूर्ण पहलों में से एक कानूनी सूचना प्रबंधन और ब्रीफिंग सिस्टम (एलआईएमबीएस) को लॉन्च किया गया, जो मानक टेम्पलेट्स का उपयोग करता है, अदालती मामलों की सक्रिय, पारदर्शी और प्रभावी तरीके से निगरानी करता है।

- (a) Only (i)/ केवल (i)
- (b) Only (ii)/ केवल (ii)
- (c) Both (i) & (ii)/ दोनों (i) और (ii)
- (d) Both (ii) & (iii)/ दोनों (ii) और (iii)
- (e) All (i), (ii) & (iii)/ सभी (i), (ii) और (iii)

Q117. A Memorandum of Understanding (MoU) was signed between Tamil Nadu and the M/s. IGSS Ventures Pte Ltd to build a 300-acre semiconductor high-tech park in the State with an investment and grants of 25,600 crore. Where is IGSS Ventures Pte Ltd based?

तमिलनाडु और M/s. IGSS वेंचर्स Pte लिमिटेड के बीच 25,600 करोड़ के निवेश और अनुदान के साथ राज्य में 300 एकड़ सेमीकंडक्टर हाई-टेक पार्क बनाने के लिए एक समझौता ज्ञापन (एमओयू) पर हस्ताक्षर किए गए। IGSS वेंचर्स Pte लिमिटेड कहाँ स्थित है?

- (a) Switzerland/ स्विट्जरलैंड
- (b) Japan/ जापान
- (c) Singapore/ सिंगापुर
- (d) South Korea/ दक्षिण कोरिया
- (e) Nepal/ नेपाल

Q118. India has nominated which dance form to be inscribed on UNESCO's intangible cultural heritage list?

भारत ने यूनेस्को की अमूर्त सांस्कृतिक विरासत सूची में किस नृत्य शैली को अंकित किये जाने के लिए नामित किया है।

- (a) Bhamakalpam/ भामाकल्पम
- (b) Kolattam/ कोलाट्टम
- (c) Dappu/ दप्पू
- (d) Lambadi/ लम्बाडी
- (e) Garba/ गरबा

Q119. Axis Bank has signed an MoU with which organization to provide "Ultima Salary Package", a best-in-class salary account with exclusive benefits & features to all its employees?

एक्सिस बैंक ने किस संगठन के साथ "अल्टिमा सैलरी पैकेज" प्रदान करने के लिए एक समझौता ज्ञापन पर हस्ताक्षर किए हैं, जो अपने सभी कर्मचारियों को विशेष लाभ और सुविधाओं के साथ श्रेणी में सर्वश्रेष्ठ वेतन खाता है।

- (a) FCI
- (b) FICCI
- (c) FSSAI
- (d) DRDO
- (e) ISRO

Q120. Supreme Court has constituted a how many member bench, headed by Justice D.Y. Chandrachud, to rule on the matter pertaining to distribution of freebies to voters during elections?

सुप्रीम कोर्ट ने चुनाव के दौरान मतदाताओं को मुफ्त में बांटने से संबंधित मामले पर फैसला सुनाने के लिए जस्टिस डीवाई चंद्रचूड़ की अध्यक्षता में कितनी सदस्यीय पीठ का गठन किया है?

- (a) 3
- (b) 4
- (c) 5
- (d) 6
- (e) 7

Directions (121-128): Read the following passage carefully and answer the questions given below them. Certain words are given in bold to help you locate them while answering some of the questions.

In recent times, right-leaning economists have been arguing that the Government does not need to do anything with the economy and that it will revive by itself. These economists reason that, like after the Great Depression, the economy rebounded worldwide, and so will it with us. The argument is **fallacious** on some accounts:

The first factor, demand. In the case of the Great Depression, demand was created by the Second World War effort. Especially in the United States, which was largely spared of the destruction, its industrial capabilities could be used as a supply base for the entire Allied effort. In the current scenario, there is no war to create demand. On top of it, the COVID-19 pandemic has resulted in demand destruction. This is because many jobs have been lost, and even where jobs were retained, there have been pay cuts. From the point of view of the Indian exporter, rising freight costs and non-availability of containers is a significant **impediment** along with structural issues such as a strong rupee relative to major competitors. Only the Indian IT sector is placed well to capitalise on rising demand in the world markets.

Next is inflation. India is suffering from stagnant growth to low growth in the last two quarters. At best, any growth in the current quarter will be illusory because it comes on top of substantial negative growth in the first quarter of last year, **perpetuating** a statistical phenomenon known as the "low base effect". The base effect states that when measuring year-over-year growth, we take the previous year's numbers as the base instead of actual base year and measure the growth as a percentage. As in the low initial base set by last year, almost any growth this year is seen as a significant growth percentage. In comparison, the absolute growth figure is negligible. Inflation in India is being imported through a combination of high commodity prices and high asset price inflation caused by ultra-loose monetary policy followed across the globe. Foreign portfolio investors have directed a portion of the liquidity towards our markets. Compared to a developed capital market, India has a relatively low market capitalisation. It, therefore, cannot absorb the enormous capital inflow without asset prices inflating. This might be seen as a welcome move, but it is to be noted that most of India's population do not own equity or bonds, which means that they cannot cash in on asset inflation. The wealthy upper class gets richer due to access to financial assets. The middle and lower-middle-class get destitute due to regressive indirect taxes and high inflation, with their wealth eroding due to said inflation. Especially in the case of the lower middle class, inflation is lethal as they do not have access to any hard assets, including the most fundamental hard asset, gold.

Q121. What is the contradiction of economists in economic recovery on the demand side?

- (a) disruption in demand is caused by decline in production and shortage of supply in the market
- (b) there was an economic improvement in the last few months after the decline in the Covid-19 cases
- (c) unlike second world war, there is no stimulus to increase demand in the economy
- (d) there is a great depression throughout the world and this causes absence of a support base like the U.S. has
- (e) None of these

Q122. How does 'low base effect' cause illusory growth in the economy?

- (a) Base year change every year and this gives rise to variation in the methods and results over the year
- (b) It changes the reference point for comparison between two sets of data and has insignificant results
- (c) To conceal actual data sometimes changes have been made and this has erroneous results
- (d) It is difficult to record actual data in this huge economy so economists use an approximation of the conclusion
- (e) None of these

Q123. Which of the following is the reason for increasing inflation in the economy?

- (a) cost of inputs increase when there is an increase in production to meet higher demand
- (b) prices rise when there is an abundance of outputs which is due to a lack of demand in the market
- (c) higher non-adjustable liquidity in the economy causes hike in prices of various goods and services
- (d) All of these
- (e) None of these

Q124. Which of the following statements can be inferred from the last paragraph with reference to *inflation*?

- (a) There is variation in consequences of inflation with respect to the number of assets different classes possess
- (b) Inflation has a uniform effect on every sector and household due to limited resources in the economy
- (c) Richer people are fortunate enough to have a higher capacity to compensate by increasing their income source
- (d) People living in penury get subsidies from the government when they get distressed by higher inflation
- (e) None of these

Q125. Which of the following given statement(s) is/are incorrect with reference to the paragraph?

- (i) Economists are urging government to take necessary steps towards the economic downfall.
 - (ii) Lower foreign direct investment is the reason for the inflation in any economy.
 - (iii) India is suffering from sluggish growth since last half year.
- (a) Only (iii)
 - (b) Both (i) and (iv)
 - (c) Both (ii) and (iii)
 - (d) Only (i) and (ii)
 - (e) All of these

Q126. Which of the following is similar in meaning to 'Fallacious' as used in the passage?

- (a) appease
- (b) imprecise
- (c) minute
- (d) dissipate
- (e) None of these

Q127. Which of the following is similar in meaning to 'Impediment' as used in the passage?

- (a) captivate
- (b) prominent
- (c) restrain
- (d) animosity
- (e) None of these

Q128. Which of the following is opposite in meaning to 'Perpetuating' as used in the passage?

- (a) mawkish
- (b) cease
- (c) dismal
- (d) fortify
- (e) None of these

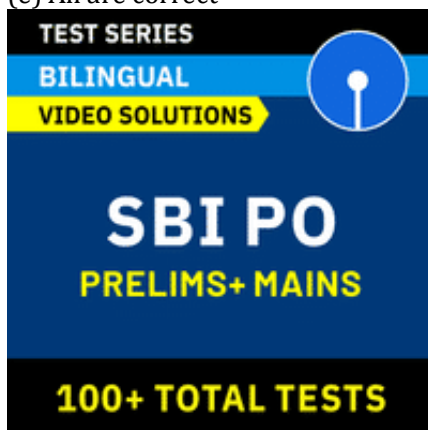
Directions (129-133): In the following questions, a word is given followed by four sentences which have used the given word. Choose the sentence having the correct usage of the given word as your answer. If all of the given sentences have the correct usage of the given word then choose 'all are correct'.

Q129. Reluctant

- (a) India had a moment to savour when its women's hockey team **reluctant** the quarterfinals.
- (b) Parents are **reluctant** to send their kids back to school without Covid-19 vaccination.
- (c) The increase in fuel prices will lead to a **reluctant** in wages demanded as the monthly expense increases.
- (d) Supreme Court **reluctant** 15% Scheduled Caste reservation under the AIQ.
- (e) All are correct

Q130. Perseverance

- (a) Among the multiple challenges a journalist has to **perseverance** is the quality of writing that sustains the readers' interest
- (b) The use of Pegasus poses a stark **perseverance** to democracy and freedom
- (c) The **perseverance** of the modern state emerging from the culture of secrecy is therefore apparent.
- (d) It is clearly her efforts, tireless practices & sheer **perseverance** behind her success.
- (e) All are correct



Q131. Eradicate

- (a) South Asian nations joined hands to collectively battle the crises by **eradicate** towards a COVID-19 emergency fund.
- (b) Through an aggressive vaccination campaign, we can **eradicate** Covid-19 infection.
- (c) There are a host of recommendations on how to **eradicate** schools safely.
- (d) In India, COVID-19 accelerated the launch of health mission, **eradicate** the accessibility of health-care services.
- (e) All are correct

Q132. Dissipate

- (a) Kerala seemed like it had an exceptional pandemic story to **dissipate** to the world.
- (b) **Dissipate** support is needed for those who risk falling through the net of digital progress.
- (c) Finance Minister **dissipate** tax law changes to scrap the retrospective provisions brought in by the late FM.
- (d) In many circumstances the manure gases are produced and **dissipate** into the atmosphere.
- (e) All are correct

Q133. Refrain

- (a) Public health expert on Thursday asked people to **refrain** from travel during summer holidays.
- (b) One of the problems of political populism is that the state takes its paternalistic role too **refrain**.
- (c) Iran and India can play a constructive and useful role in **refrain** security in the region.
- (d) Despite the efforts made on the ground, people **refrain** to suffer with perennial flooding.
- (e) All are correct

Q134. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

- (a) The pandemic has taught us many things, but two of them stand out for us.
- (b) The public education system is the primary option for millions of students in India.
- (c) The Biden administration has an inevitably, multi-pronged task at hand.
- (d) Worden had an emergency pack on his back in the event of his life-line being severed during the walk.
- (e) None of these

Q135. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

- (a) Every great change starts with a revolutionary step.

(b) Multiple studies have proved that children who learn in their mother tongue in their early, formative years performs better.

(c) It is ironic that India has an overwhelming majority of professional courses being taught in English.

(d) Canada showcases a sound approach to education, revealing a picture of a country with linguistic diversity.

(e) None of these

Q136. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) The Prime Minister has decided to visit all states and meet all chief ministers next month to review of the situation.

(b) The union finds it easier to promote universal standards in areas like climate change and food than domestic values.

(c) After four years, the promise of the Goods and Services Tax (GST) remains substantially unrealized.

(d) The fundamental weakness of the GST is its political architecture which is asymmetrically loaded in favour of the Centre.

(e) None of these

Q137. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) A police havildar was convicted of contempt of court by the sub-divisional officer

(b) While lingering restrictions will have a significant impact on businesses, they are far preferable than a lockdown.

(c) Hungarian Prime Minister has countered by proposing a national referendum on the law.

(d) This is not for the first time that strikes by government employees are being made explicitly illegal

(e) None of these

Q138. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) It is really creditable that the school produced such excellent results.

(b) The economy has been slowing for nine quarters prior to the outbreak

(c) What is stunning is that for the first time there is a rise in the incidence of poverty

(d) The Court has issued directions to private schools to provide transfer certificates in a week of students' giving applications.

(e) None of these

Q139. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) Patriarchal control of women and systemic gender discrimination cannot be defeated by government intervention alone.

(b) The models used in most COVID-19 predictions were simple statistical models.

(c) The government recently announced reservation for women in State engineering colleges.

(d) The Signatories declare that the electors have no initiative in financial matters.

(e) None of these

Q140. In each of the following questions, various sentences are given and you have to choose the one which has some or any grammatical error in it. In the questions where all the sentences are grammatically correct choose option (E) as the correct choice.

(a) Mostly children who develop symptoms of COVID-19 get better after six days.

(b) In every birth the jivatma is compelled to act and this entails his experiencing the fruits of his action.

(c) The Pegasus revelations reflect an attack on Indian democracy and Indian citizens.

(d) August has begun on a disconcerting note in India's coronavirus story.

(e) None of these

Directions (141-145): Given below are five sentences of a paragraph in a jumbled fashion. Arrange the sentences to form a coherent paragraph and answer the following questions.

(A) Only relying on traditional literacy and numeracy alone will not suffice and tends to marginalise differently abled learners.

(B) Critical thinking and problem solving, communication and collaboration and productivity and accountability all strengthen the individuals' abilities and creativity at the workplace.

(C) Moreover, an individual must be motivated enough to remain immersed in a specific activity to be creative and happy.

(D) The National Education Policy (NEP) 2020 has rightfully identified 21st century skills as fundamental to developing creators.

(E) Educators could consider a design-based approach where students concentrate on a subject for two-three weeks to examine how it can be applied in the real world.

Q141. Which of the following would be THIRD sentence after rearrangement?

- (a) D
- (b) E
- (c) A
- (d) B
- (e) C

Q142. Which of the following would be FIRST sentence after rearrangement?

- (a) D
- (b) E
- (c) A
- (d) B
- (e) C

Q143. Which of the following would be FIFTH sentence after rearrangement?

- (a) D
- (b) E
- (c) A
- (d) B
- (e) C

Q144. Which of the following would be FOURTH sentence after rearrangement?

- (a) D
- (b) E
- (c) A
- (d) B
- (e) C

Q145. Which of the following would be SECOND sentence after rearrangement?

- (a) D
- (b) E
- (c) A
- (d) B
- (e) C

Directions (146-148): In the following questions, a sentence is divided into four parts consisting of a highlighted word in each part. Choose the option reflecting the word which is either misspelt or grammatically incorrect. If all the highlighted words are correct, choose option (E) i.e. "all are correct" as your answer choice.

Q146. How science has **aided** in the **inadvertent** political game of **demolishing** basic human rights has finally **frutified** in the production of a technology.

- (a) aided
- (b) demolishing
- (c) frutified
- (d) inadvertent
- (e) All are correct

Q147. After **intensive** efforts to strengthen nuclear safety and with global warming becoming ever more **apparant**, nuclear power is **regaining** a place in global **debates**.

- (a) intensive
- (b) apparant
- (c) regaining
- (d) debates
- (e) All are correct

Q148. India at the Olympics has always been about **feverish** hopes, **bruising anguish** and a few medals that **infiltrates** human privacy right up to the bedrooms of its targets.

- (a) feverish
- (b) bruising
- (c) anguish
- (d) infiltrates
- (e) All are correct

Directions (149-155): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five options are given. Find out the appropriate word which fits into the blank appropriately.

Q149. Chief Minister should be _____ (149) for bringing 'disaster management' into the popular imagination in Bihar. In his early days as Bihar Chief Minister (2005-2010), he made a few noticeable _____ (150) changes, with renewed approaches in infrastructure augmentation for dams and reservoirs, detention basins, embankments and channel improvement. Non-structural measures were also _____ (151) in later years such as floodplain management, flood forecasting and warning, flood insurance and financial _____ (152).

However, despite the efforts made on the ground, people continue to suffer with _____ (153) flooding in north Bihar. Already facing a humanitarian crisis of sorts following the novel coronavirus pandemic, this year's extra rainfall and floods have been a moment of _____ (154). Unfortunately, this chronic issue which is making over five crore people of the north Bihar in India and Tarai in Nepal so _____ (155), does not seem to get the attention it deserves by policymakers on both sides of the border.

- (a) credited
- (b) cumbersome
- (c) midway
- (d) rigorous
- (e) None of these

Q150. Chief Minister should be _____ (149) for bringing 'disaster management' into the popular imagination in Bihar. In his early days as Bihar Chief Minister (2005-2010), he made a few noticeable _____ (150) changes, with renewed approaches in infrastructure augmentation for dams and reservoirs, detention basins, embankments and channel improvement. Non-structural measures were also _____ (151) in later years such as floodplain management, flood forecasting and warning, flood insurance and financial _____ (152).

However, despite the efforts made on the ground, people continue to suffer with _____ (153) flooding in north Bihar. Already facing a humanitarian crisis of sorts following the novel coronavirus pandemic, this year's extra rainfall and floods have been a moment of _____ (154). Unfortunately, this chronic issue which is making over five crore people of the north Bihar in India and Tarai in Nepal so _____ (155), does not seem to get the attention it deserves by policymakers on both sides of the border.

- (a) scorn
- (b) steep
- (c) erratic
- (d) structural
- (e) None of these

Q151. Chief Minister should be _____ (149) for bringing 'disaster management' into the popular imagination in Bihar. In his early days as Bihar Chief Minister (2005-2010), he made a few noticeable _____ (150) changes, with renewed approaches in infrastructure augmentation for dams and reservoirs, detention basins, embankments and channel improvement. Non-structural measures were also _____ (151) in later years such as floodplain management, flood forecasting and warning, flood insurance and financial _____ (152).

However, despite the efforts made on the ground, people continue to suffer with _____ (153) flooding in north Bihar. Already facing a humanitarian crisis of sorts following the novel coronavirus pandemic, this year's extra rainfall and floods have been a moment of _____ (154). Unfortunately, this chronic issue which is making over five crore people of the north Bihar in India and Tarai in Nepal so _____ (155), does not seem to get the attention it deserves by policymakers on both sides of the border.

- (a) repressive
- (b) adopted
- (c) extradite
- (d) contempt
- (e) None of these

Q152. Chief Minister should be _____ (149) for bringing 'disaster management' into the popular imagination in Bihar. In his early days as Bihar Chief Minister (2005-2010), he made a few noticeable _____ (150) changes, with renewed approaches in infrastructure augmentation for dams and reservoirs, detention basins, embankments and channel improvement. Non-structural measures were also _____ (151) in later years such as floodplain management, flood forecasting and warning, flood insurance and financial _____ (152).

However, despite the efforts made on the ground, people continue to suffer with _____ (153) flooding in north Bihar. Already facing a humanitarian crisis of sorts following the novel coronavirus pandemic, this year's extra rainfall and floods have been a moment of _____ (154). Unfortunately, this chronic issue which is making over five crore people of the north Bihar in India and Tarai in Nepal so _____ (155), does not seem to get the attention it deserves by policymakers on both sides of the border.

- (a) mar
- (b) mortify
- (c) compensation
- (d) revive
- (e) None of these

Q153. Chief Minister should be _____ (149) for bringing 'disaster management' into the popular imagination in Bihar. In his early days as Bihar Chief Minister (2005-2010), he made a few noticeable _____ (150) changes, with renewed approaches in infrastructure augmentation for dams and reservoirs, detention basins, embankments and channel improvement. Non-structural measures were also _____ (151) in later years such as floodplain management, flood forecasting and warning, flood insurance and financial _____ (152).

However, despite the efforts made on the ground, people continue to suffer with _____ (153) flooding in north Bihar. Already facing a humanitarian crisis of sorts following the novel coronavirus pandemic, this year's extra rainfall and floods have been a moment of _____ (154). Unfortunately, this chronic issue which is making over five crore people of the north Bihar in India and Tarai in Nepal so _____ (155), does not seem to get the attention it deserves by policymakers on both sides of the border.

- (a) embankment
- (b) waned
- (c) nascent
- (d) perennial
- (e) None of these

Q154. Chief Minister should be _____ (149) for bringing 'disaster management' into the popular imagination in Bihar. In his early days as Bihar Chief Minister (2005-2010), he made a few noticeable _____ (150) changes, with renewed approaches in infrastructure augmentation for dams and reservoirs, detention basins, embankments and channel improvement. Non-structural measures were also _____ (151) in later years such as floodplain management, flood forecasting and warning, flood insurance and financial _____ (152).

However, despite the efforts made on the ground, people continue to suffer with _____ (153) flooding in north Bihar. Already facing a humanitarian crisis of sorts following the novel coronavirus pandemic, this year's extra rainfall and floods have been a moment of _____ (154). Unfortunately, this chronic issue which is making over five crore people of the north Bihar in India and Tarai in Nepal so _____ (155), does not seem to get the attention it deserves by policymakers on both sides of the border.

- (a) amend
- (b) reckoning
- (c) vivid
- (d) predominantly
- (e) None of these

Q155. Chief Minister should be _____ (149) for bringing 'disaster management' into the popular imagination in Bihar. In his early days as Bihar Chief Minister (2005-2010), he made a few noticeable _____ (150) changes, with renewed approaches in infrastructure augmentation for dams and reservoirs, detention basins, embankments and channel improvement. Non-structural measures were also _____ (151) in later years such as floodplain management, flood forecasting and warning, flood insurance and financial _____ (152).

However, despite the efforts made on the ground, people continue to suffer with _____ (153) flooding in north Bihar. Already facing a humanitarian crisis of sorts following the novel coronavirus pandemic, this year's extra rainfall and floods have been a moment of _____ (154). Unfortunately, this chronic issue which is making over five crore people of the north Bihar in India and Tarai in Nepal so _____ (155), does not seem to get the attention it deserves by policymakers on both sides of the border.

- (a) animosity
- (b) vulnerable
- (c) appease
- (d) indulging
- (e) None of these

Directions (156-160): Read the following passage carefully and answer the questions given below them. **Certain words are given in bold to help you locate them while answering some of the questions.**

As part of the Union Budget address for 2020-21, the Finance Minister, said that the shutting down of old coal power plants, which are major contributors to emissions, will aid the achievement of India's Nationally Determined Contributions, an idea which has been _____ (1) _____ by the Power Minister, R.K. Singh. Some research studies have also argued in favour of it, citing the economic and the environmental benefits of shutting down coal plants older than, say, 25 years. It is argued that the availability of under-utilised newer (and presumably more efficient) coal-based capacity means that shutting down older inefficient plants would lead to improved efficiencies, reduced coal usage, and hence, cost savings.

Further, it is argued that it would be **uneconomical** for old plants to install pollution control equipment required to meet the emission standards announced by the Environment Ministry, and hence it would be better to retire them. The recent order from the Central Electricity Regulatory Commission (CERC) allowing Delhi's BSES distribution company to exit its concluded 25 year old power purchase agreement with the National Thermal Power Corporation Limited's Dadri-I generating station, also lends some credence to this. Since plants older than 25 years make up around 20% of the total installed thermal capacity in the country and play a **significant** role in the country's power supply, decisions regarding their retirement merit finer scrutiny to see if the claimed benefits really accrue.

While there are some old plants tied up in expensive power purchase agreements, as in the case of the CERC order, there are also several old plants, which generate at lower costs. For instance, plants such as Rihand, Singrauli (both Uttar Pradesh), and Vidhyanchal (Madhya Pradesh), are all over 30 years old and have very low generation costs of around ₹1.7/kWh, which is lower than the national average. This may be due to locational advantage rather than efficiency, as older plants are likely to be located closer to the coal source, reducing coal transport costs. However, this just highlights the complexity of the issue, since **efficiency does not naturally translate to savings**.

Q156. According to the passage, which of the following statements support(s) the idea of the shutdown of the old coal power plants?

- (a) These plants haven't finished their contracted tenure and are still running to maintain their cost.
- (b) Old coal power plants are detrimental to environment and are unprofitable due to unproductivity.

(c) Putting environmental safety tools to meet emission standards is extravagant for these firms.

(d) Both (a) and (c)

(e) Both (b) and (c)

Q157. Which of the following is opposite in meaning to 'UNECONOMICAL' as used in the passage?

(a) reasonable

(b) moribund

(c) thrive

(d) castigate

(e) None of these.

Q158. Which of the following is similar in meaning to 'SIGNIFICANT' as used in the passage?

(a) blunt

(b) foul

(c) conspicuous

(d) repudiate

(e) None of these

Q159. Which of the following word could fit in the blank (1), to make the statement grammatically correct and contextually meaningful?

(a) imperative

(b) intemperate

(c) strident

(d) endorsed

(e) None of these

Q160. What does the author mean by the given phrase "efficiency does not naturally translate to savings."?

(a) higher efficiency of new plants doesn't help in reducing cost due to the disadvantage of their location.

(b) distance between old plants and new plants is narrow which reduces the cost and saves money.

(c) although the efficiency of old coal plants is less their location advantage increases the cost of coal.

(d) New plants are equipped with the upgraded technologies which lessen the cost but increase expenditure.

(e) None of these



Q161. A bag contains toys of purple, pink, blue and black color. Probability of getting one purple toy from a bag is $\frac{7}{27}$ and number of pink toys in the bag is 6. If black toys in bag is $66\frac{2}{3}\%$ more than pink toys and blue toys is 60% less than black toys, then find the number of purple toys.

एक बैग में बैंगनी, गुलाबी, नीले और काले रंग के खिलौने हैं। एक बैग से एक बैंगनी खिलौना प्राप्त करने की प्रायिकता $\frac{7}{27}$ है और बैग में गुलाबी खिलौनों की संख्या 6 है। यदि बैग में काले खिलौने गुलाबी खिलौनों से $66\frac{2}{3}\%$ अधिक हैं और नीले खिलौने काले खिलौनों से 60% कम हैं, तो बैंगनी खिलौनों की संख्या ज्ञात कीजिए।

(a) 7

(b) 11

(c) 4

(d) 2

(e) 9

Q162. Vessel A contain 55 liters of wine and water in the ratio of p:q and vessel B contains 80 liters mixture of wine and water in the ratio of 2:3. If the mixture of vessel A mixed with mixture of vessel B, then ratio of wine and water become 2:1. Find the quantity of wine in vessel A.

बर्तन A में 55 लीटर वाइन और पानी p:q के अनुपात में है और बर्तन B में 80 लीटर वाइन और पानी का मिश्रण 2:3 के अनुपात में है। यदि बर्तन A के मिश्रण को बर्तन B के मिश्रण के साथ मिलाया जाता है, तो वाइन और पानी का अनुपात 2:1 हो जाता है। बर्तन A में वाइन की मात्रा ज्ञात कीजिए।

(a) 76 liters / 76 लीटर

(b) 58 liters / 58 लीटर

(c) 44 liters / 44 लीटर

(d) 82 liters / 82 लीटर

(e) 61 liters / 61 लीटर

Q163. A, B and C entered into a partnership with investment in the ratio 4:6:7 respectively. After one year, D joined them with investment of $83\frac{1}{3}\%$ of the initial investment of B. After one more year, A withdrew half of his initial investment and B investment 50% more of his initial investment. At the end of three years, they earned a total profit of Rs.2,48,000. Find the difference between profit share of B and D.

A, B और C ने क्रमशः 4:6:7 के अनुपात में निवेश के साथ एक साझेदारी में प्रवेश किया। एक वर्ष के बाद, D, B के प्रारंभिक निवेश के $83\frac{1}{3}\%$ के निवेश के साथ उनके साथ जुड़ गया। एक और वर्ष के बाद, A ने अपने प्रारंभिक निवेश का आधा और B ने अपने प्रारंभिक निवेश का 50% अधिक वापस ले लिया। तीन वर्षों के अंत में, उन्होंने कुल 2,48,000 रु. का लाभ अर्जित किया। B और D के लाभ हिस्से के बीच अंतर ज्ञात कीजिए।

(a) Rs. 54,000 / 54,000 रु.

(b) Rs. 26,000 / 26,000 रु.

(c) Rs. 51,000 / 51,000 रु.

(d) Rs. 44,000 / 44,000 रु.

(e) Rs. 31,000 / 31,000 रु.

Q164. Sunny and Sham invested some money in a scheme. Sham invested Rs.8000 less than Sunny. Sunny invested his sum at 18% p.a. simple interest for 5 years while Sham invested his sum at 20% C.I. annually for 3 years. If the interest received by Sunny is Rs.9092 more than that by Sham, then find the amount invested by Sham is approximately what percentage more/less than that by Sunny?

सनी और शाम ने एक योजना में कुछ धन निवेश किया। शाम ने सनी से 8000 रु. कम निवेश किया। सनी ने अपनी राशि को 18% प्रति वर्ष की दर से 5 वर्षों के लिए साधारण ब्याज पर निवेश किया जबकि शाम ने अपनी राशि को 20% चक्रवृद्धि ब्याज पर 3 वर्षों के लिए निवेश किया। यदि सनी को प्राप्त ब्याज, शाम से 9092 रु. अधिक है, तो शाम द्वारा निवेश की गई राशि सनी द्वारा निवेश की गई राशि से लगभग कितने प्रतिशत अधिक/कम है?

- (a) 54%
- (b) 42%
- (c) 21%
- (d) 47%
- (e) 17%

Q165. Mansi purchased an article and sold it to Meenu at $83\frac{1}{3}\%$ profit. Meenu marked it up by 20% and sold at a discount of Rs. 256 on marked price. If profit received by Mansi is Rs. 1936 more than that received by Meenu, then find the difference between selling price of article sold by Mansi to that by Meenu.

मानसी ने एक वस्तु खरीदी और मीनू को $83\frac{1}{3}\%$ लाभ पर बेच दी। मीनू ने इसे 20% तक चिह्नित किया और अंकित मूल्य पर 256 रु की छूट पर बेचा। यदि मानसी को प्राप्त लाभ मीनू से 1936 रु. अधिक है, तो मानसी द्वारा बेची गई वस्तु और मीनू द्वारा बेची गई वस्तु के विक्रय मूल्य के बीच का अंतर ज्ञात कीजिए।

- (a) Rs.1244 / 1244 रु.
- (b) Rs.1884 / 1884 रु.
- (c) Rs.764 / 764 रु.
- (d) Rs.2434 / 2434 रु.
- (e) Rs.1064 / 1064 रु.

Q166. A scooter is 300 m ahead of a bus, a bike is 'P' m ahead of the scooter and all are going in same direction. The bus crosses the scooter in 'M' seconds and the scooter crosses the bike in (M+36) seconds. If speeds of scooter and bike are respectively 15 km/h and 20 km/h less than that of Bus, then find the value of 'P' (length of bus not consider)?

एक स्कूटर एक बस से 300 मीटर आगे है, एक बाइक स्कूटर से 'P' मीटर आगे है और सभी एक ही दिशा में जा रहे हैं। बस 'M' सेकंड में स्कूटर को पार करती है और स्कूटर (M+36) सेकंड में बाइक को पार करता है। यदि स्कूटर और बाइक की गति क्रमशः बस की गति से 15 किमी/घंटा और 20 किमी/घंटा कम है, तो 'P' (बस की लंबाई पर विचार नहीं किया गया) का मान ज्ञात कीजिए?

- (a) 244 m / 244 मीटर
- (b) 184 m / 184 मीटर
- (c) 150 m / 150 मीटर
- (d) 312 m / 312 मीटर
- (e) 106 m / 106 मीटर

Q167. At the time of daughter's birth, age of father was 34 years and after 4 years when son was born, age of mother was 30 years at that time. If age of father after four years from now will be 20% more than age of mother, then age of son two years ago is what percentage of age of daughter two years hence?

पुत्री के जन्म के समय पिता की आयु 34 वर्ष थी और 4 वर्ष बाद पुत्र के जन्म के समय माता की आयु 30 वर्ष थी। यदि चार वर्ष बाद पिता की आयु माँ की आयु से 20% अधिक होगी, तो दो वर्ष पूर्व पुत्र की आयु दो वर्ष बाद पुत्री की आयु का कितना प्रतिशत है?

- (a) $33\frac{1}{3}\%$
- (b) $87\frac{1}{3}\%$
- (c) $66\frac{2}{3}\%$
- (d) $133\frac{1}{3}\%$
- (e) $25\frac{1}{3}\%$

Q168. Pipe Q takes 6 minutes less than pipe P and pipe R takes 4 minutes more than pipe P to fill a tank. Time taken by pipe Q alone to fill $\frac{2}{3}$ rd part of tank is equal to time taken by pipe R alone to fill $\frac{2}{5}$ th part of tank. If all the pipes opened together and after 5 minutes pipe Q & pipe R closed, then find the time taken by pipe P to fill remaining tank.

पाइप Q, पाइप P से 6 मिनट कम लेता है और पाइप R एक टैंक को भरने में पाइप P से 4 मिनट अधिक लेता है। अकेले पाइप Q द्वारा टैंक के $\frac{2}{3}$ भाग को भरने में लिया गया समय, अकेले पाइप R द्वारा टैंक के $\frac{2}{5}$ भाग को भरने में लिए गए समय के बराबर है। यदि सभी पाइप एक साथ खुलते हैं और 5 मिनट के बाद पाइप Q और पाइप R बंद हो जाते हैं, तो पाइप P द्वारा शेष टैंक को भरने में लगने वाला समय ज्ञात कीजिए।

- (a) 12 min / 12 मिनट
- (b) 8 min / 8 मिनट
- (c) 9.6 min / 9.6 मिनट
- (d) 4.8 min / 4.8 मिनट
- (e) 8.4 min / 8.4 मिनट

Q169. Curved surface area of a cylinder is 2816 cm^2 more than sum of area of its bases. If radius of cylinder is $12\frac{1}{2}\%$ less than its height, then find the volume of cylinder.

एक बेलन का वक्र पृष्ठीय क्षेत्रफल उसके आधारों के क्षेत्रफल के योग से 2816 cm^2 अधिक है। यदि बेलन की त्रिज्या उसकी ऊँचाई से $12\frac{1}{2}\%$ कम है, तो बेलन का आयतन ज्ञात कीजिए।

- (a) 630784 cm²
 (b) 563214 cm²
 (c) 634644 cm²
 (d) 132784 cm²
 (e) 750284 cm²

Q170. In a family, there are some men, women and children. Ratio of average weight of women and children in the family is 7:4, average weight of children in family is 28 kg, and average weight of men is double of average weight of children. No. of men is 37.5% more than no. of women and no. of children is 75% of no. of women. Find the respective ratio of total weight of children, men and women in the family.

एक परिवार में कुछ पुरुष, महिलाएं और बच्चे हैं। परिवार में महिलाओं और बच्चों के औसत वजन का अनुपात 7:4 है, परिवार में बच्चों का औसत वजन 28 किलो है, और पुरुषों का औसत वजन बच्चों के औसत वजन का दोगुना है। पुरुषों की संख्या महिलाओं की संख्या से 37.5% अधिक है। बच्चों की संख्या महिलाओं की संख्या का 75% है। परिवार में बच्चों, पुरुषों और महिलाओं के कुल वजन का संबंधित अनुपात ज्ञात कीजिए।

- (a) 13:11:17
 (b) 3:8:7
 (c) 13:11:7
 (d) 3:11:17
 (e) 3:11:7

Q171. A person spends Rs.28000 in month of August, which is 20%, less than amount spend in month of May. Expenditure in month of May is 40% more than that in month of July. Ratio of amount spend in month of June to July is 4 :5, then find the difference between average expenditure in month of June and August to average expenditure in month May and July.

एक व्यक्ति अगस्त के महीने में 28000 रु. खर्च करता है, जो कि मई के महीने में खर्च की गई राशि से 20% कम है। मई के महीने में खर्च जुलाई के महीने की तुलना में 40% अधिक है। जून से जुलाई के महीने में खर्च की गई राशि का अनुपात 4:5 है, तो जून और अगस्त के महीने में औसत खर्च और मई और जुलाई में औसत खर्च के बीच का अंतर ज्ञात कीजिए।

- (a) Rs.2600/ 2600 रु.
 (b) Rs.5100 / 5100 रु.
 (c) Rs.7800 / 7800 रु.
 (d) Rs.6000 / 6000 रु.
 (e) Rs.4500/ 4500 रु.

Q172. The sum of the speed of the boat in still water and the speed of the current is 45 km/h. The boat covers 120 km against stream in T hours and the same boat cover 540 km in along with stream in T hours. What is the distance covered by the boat in against stream in 7 hours? शांत जल में नाव की गति और धारा की गति का योग 45 किमी/घंटा

है। नाव T घंटे में धारा के विपरीत 120 किमी की दूरी तय करती है और वही नाव T घंटे में धारा के साथ 540 किमी की दूरी तय करती है। नाव द्वारा धारा के विपरीत 7 घंटे में तय की गई दूरी कितनी है?

- (a) 315 km / 315 किमी/घंटा
 (b) 70 km / 70 किमी/घंटा
 (c) 78 km / 78 किमी/घंटा
 (d) 48 km / 48 किमी/घंटा
 (e) 67 km / 67 किमी/घंटा

Directions (173-176): In the given questions, two quantities are given, one as 'Quantity I' and another as 'Quantity II'. You have to determine relationship between two quantities and choose the appropriate option

दिए गए प्रश्नों में, दो मात्राएँ दी गई हैं, एक 'मात्रा I' और दूसरी 'मात्रा II' के रूप में। आपको दो मात्राओं के बीच संबंध निर्धारित करना है और उपयुक्त विकल्प का चयन करना है

Q173. Quantity I. Time taken by a scooter to cross a flyover and a bridge is 28 sec. and 20 sec. respectively. If length of flyover is 60 meters more than that of bridge, then in what time (in hours) the scooter will cover 90 km?

मात्रा I. एक स्कूटर द्वारा एक फ्लाईओवर और एक पुल को पार करने में लिया गया समय क्रमशः 28 सेकंड और 20 सेकंड है। यदि फ्लाईओवर की लंबाई पुल से 60 मीटर अधिक है, तो स्कूटर कितने समय में (घंटों में) 90 किमी की दूरी तय करेगा?

Quantity II. A and B together finish a work in 24 hours and efficiency of B is 50% more than that of A and efficiency of C is 5/3 rd that of B. find the time taken by C (in hours) to complete the 40% of total work.

मात्रा II. A और B एक साथ एक कार्य को 24 घंटे में पूरा करते हैं और B की दक्षता A की तुलना में 50% अधिक है और C की दक्षता B की 5/3 है। C द्वारा कुल कार्य का 40% पूरा करने में लिया गया समय (घंटों में) ज्ञात कीजिए।

- (a) Quantity I > Quantity II / मात्रा I > मात्रा II
 (b) Quantity I < Quantity II / मात्रा I < मात्रा II
 (c) Quantity I ≥ Quantity II / मात्रा I ≥ मात्रा II
 (d) Quantity I ≤ Quantity II / मात्रा I ≤ मात्रा II
 (e) Quantity I = Quantity II or no relation/ मात्रा I = मात्रा II या कोई संबंध नहीं



Q174. Quantity I. Billu's present age is 4 years less than Chandan's present age and Aryan's present age is 6 years more than Chandan's present age. If the ratio of the present ages of Chandan to Aryan is 5:7. What will be Billu's age after 15 years?

मात्रा I. बिल्लू की वर्तमान आयु चंदन की वर्तमान आयु से 4 वर्ष कम है और आर्यन की वर्तमान आयु चंदन की वर्तमान आयु से 6 वर्ष अधिक है। यदि चंदन की वर्तमान आयु का आर्य से अनुपात 5:7 है। 15 वर्ष बाद बिल्लू की आयु क्या होगी?

Quantity II. The marked price of a bedsheet is Rs.4500 which is 50% above the cost price. If the shopkeeper gives two successive discounts of 12.5% and y% and shopkeepers receive a profit of Rs.150. find the value of y.

मात्रा II। एक चादर का अंकित मूल्य 4500 रु. है जो लागत मूल्य से 50% अधिक है। यदि दुकानदार 12.5% और y% की दो क्रमिक छूट देता है और दुकानदारों को 150 रु. का लाभ प्राप्त होता है। y का मान ज्ञात कीजिए।

- (a) Quantity I > Quantity II / मात्रा I > मात्रा II
 (b) Quantity I < Quantity II / मात्रा I < मात्रा II
 (c) Quantity I ≥ Quantity II / मात्रा I ≥ मात्रा II
 (d) Quantity I ≤ Quantity II / मात्रा I ≤ मात्रा II
 (e) Quantity I = Quantity II or no relation

मात्रा I = मात्रा II या कोई संबंध नहीं

Q175. Ratio of alcohol and water in mixture K and L is 3:5 and 7:9 respectively. If the quantity of alcohol in both mixtures together is 80 liters and water in mixture L is 3/5 th of water in mixture K.

मिश्रण K और L में अल्कोहल और पानी का अनुपात क्रमशः 3:5 और 7:9 है। यदि दोनों मिश्रणों में मिलाकर अल्कोहल की मात्रा 80 लीटर है और मिश्रण L में पानी, मिश्रण K के पानी का 3/5 भाग है।

Quantity I. find the total quantity of mixture L.

मात्रा I. मिश्रण L की कुल मात्रा ज्ञात कीजिए।

Quantity II. find the total quantity of water in both the mixture together.

दोनों मिश्रण में मिलाकर पानी की कुल मात्रा ज्ञात कीजिए।

- (a) Quantity I > Quantity II / मात्रा I > मात्रा II
 (b) Quantity I < Quantity II / मात्रा I < मात्रा II
 (c) Quantity I ≥ Quantity II / मात्रा I ≥ मात्रा II
 (d) Quantity I ≤ Quantity II / मात्रा I ≤ मात्रा II
 (e) Quantity I = Quantity II or no relation

मात्रा I = मात्रा II या कोई संबंध नहीं

Q176. Bob, Mike and Tom investing in a business with initial investment in the ratio 5:7:11 respectively. Mike and Tom start the business, after one year Bob and Tom invest additional investment of Rs.3000 and Rs. 2000 respectively. After another one year, Mike and Harry join the business where Harry invests $14\frac{2}{7}\%$ more than Mike. At the end of 3 year, they earned the total profit of Rs.3,42,400 and ratio of profit share of Bob to Harry is 5:2.

बॉब, माइक और टॉम क्रमशः 5:7:11 के अनुपात में प्रारंभिक निवेश के साथ एक व्यवसाय में निवेश करते हैं। माइक और टॉम व्यवसाय शुरू करते हैं, एक वर्ष के बाद बॉब और टॉम क्रमशः 3000 रु. और 2000 रु. का अतिरिक्त निवेश करते हैं। एक और वर्ष के बाद, माइक और हैरी उस व्यवसाय में शामिल हो जाते हैं जहां हैरी माइक से $14\frac{2}{7}\%$ अधिक निवेश करता है। 3 वर्ष के अंत में, उन्होंने 3,42,400 रु. का कुल लाभ अर्जित किया और बॉब और हैरी के लाभ हिस्से का अनुपात 5:2 है।

Quantity I. find the difference between profit earned by Mike to that by Harry.

मात्रा I. माइक द्वारा अर्जित लाभ और हैरी द्वारा अर्जित लाभ के बीच का अंतर ज्ञात कीजिए।

Quantity II. find the value of (20% of profit earned by Tom - 25% of profit earned by Bob)

मात्रा II. (टॉम द्वारा अर्जित लाभ का 20% - बॉब द्वारा अर्जित लाभ का 25%) का मान ज्ञात कीजिये

- (a) Quantity I > Quantity II / मात्रा I > मात्रा II
 (b) Quantity I < Quantity II / मात्रा I < मात्रा II
 (c) Quantity I ≥ Quantity II / मात्रा I ≥ मात्रा II
 (d) Quantity I ≤ Quantity II / मात्रा I ≤ मात्रा II
 (e) Quantity I = Quantity II or no relation

मात्रा I = मात्रा II या कोई संबंध नहीं

Directions (177-180): In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

इनमें से प्रत्येक प्रश्न में एक संख्या श्रृंखला दी गई है। प्रत्येक श्रृंखला में केवल एक संख्या गलत है। गलत संख्या ज्ञात कीजिए।

Q177. 8, 20, 51, 220, 1075, 6482, 45353

- (a) 8
 (b) 51
 (c) 45353
 (d) 1075
 (e) 6482

Q178. 0.05, 3.6, 129.6, 2330.8, 20995.2, 94478.4

- (a) 3.6
 (b) 129.6
 (c) 20995.2
 (d) 2330.8
 (e) 0.05

Q179. 28, 28, 35, 59, 124, 248, 463

- (a) 35
 (b) 248
 (c) 59
 (d) 463
 (e) 124

Q180. 82, 84, 96, 132, 212, 363, 614

- (a) 84
 (b) 363
 (c) 96
 (d) 614
 (e) 132

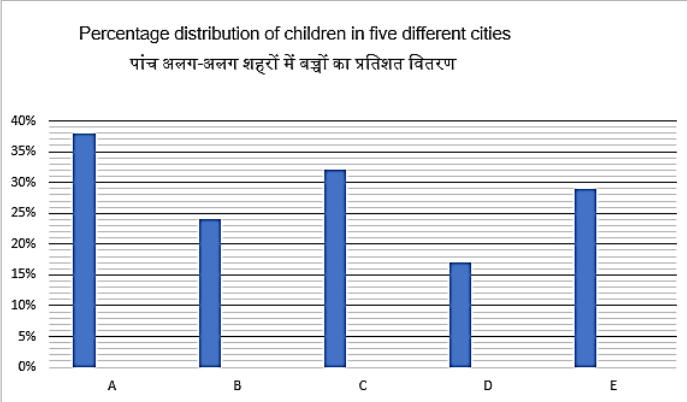
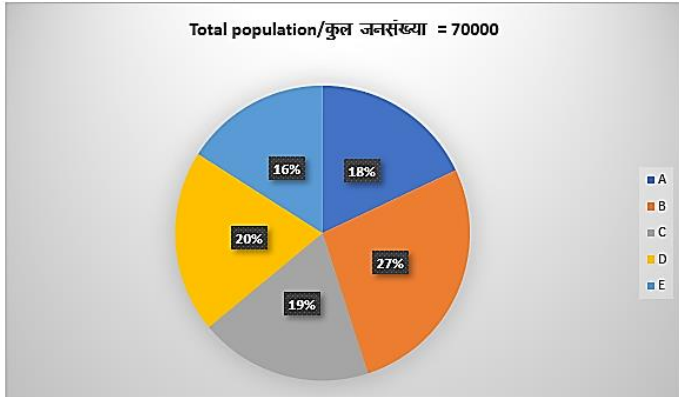
Directions (181-184): Read the following pie chart and line graph carefully and answer the questions given below.

Pie chart given below shows percentage distribution of population of five different cities and line graph shows percentage of children in these cities.

Note: Total population = male + female + children
निम्नलिखित पाई चार्ट और रेखा ग्राफ को ध्यानपूर्वक पढ़िए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

नीचे दिया गया पाई चार्ट पांच अलग-अलग शहरों की जनसंख्या का प्रतिशत वितरण दर्शाता है और रेखा ग्राफ इन शहरों में बच्चों का प्रतिशत दर्शाता है।

नोट: कुल जनसंख्या = पुरुष + महिला + बच्चे



Q181. If ratio of male to female in city A is 2:1 and in city B is 4:5, then find total no. of children in city A and B together is approximately what % of total no. of female in these cities?

यदि शहर A में पुरुष का महिला का अनुपात 2:1 है और शहर B में 4:5 है, तो शहर A और B में मिलाकर बच्चों की कुल संख्या इन शहरों में महिलाओं की कुल संख्या का लगभग कितना % है?

- (a) 54%
- (b) 36%
- (c) 96%
- (d) 88%
- (e) 112%

Q182. Total no. of children in city C is equal to total no. of female in city E. then find the difference between total no. of male in city E to total no. of children in city A.

शहर C में बच्चों की कुल संख्या शहर E में महिलाओं की कुल संख्या के बराबर है तो शहर E में पुरुष की कुल संख्या का शहर A में बच्चों की कुल संख्या से कितना अंतर है

- (a) 972
- (b) 1123
- (c) 1050
- (d) 876
- (e) 1092

Q183. Average no. of male in city D and E is 5321 and no. of female in city D is 25% more than no. of children in city E. Find total no. of children in city E is approximately what percentage of total no. of males in same city?

शहर D और E में पुरुषों की औसत संख्या 5321 है और शहर D में महिलाओं की संख्या, शहर E में बच्चों की कुल संख्या से 25% अधिक है तो ज्ञात कीजिए कि शहर E में बच्चों की कुल संख्या समान शहर में पुरुषों की कुल संख्या का लगभग कितना प्रतिशत है?

- (a) 105%
- (b) 87%
- (c) 69%
- (d) 72%
- (e) 111%

Q184. Find the sum of total no. of female in city D and no. of male in city C. If no. of male in city D is equal to average no. of children in city A and B and no. of female in city C is 37.5% more than children in city E.

शहर D में महिलाओं और शहर C में पुरुष की कुल संख्या का योग ज्ञात कीजिए। यदि शहर D में पुरुष की संख्या शहर A और B में बच्चों की औसत संख्या के बराबर है। और शहर C में महिलाओं की संख्या शहर E में बच्चों से 37.5% अधिक है।

- (a) 12526
- (b) 11536
- (c) 14576
- (d) 11134
- (e) 10036

Directions (185-188): Read the following table carefully and answer the questions given below.

Table given shows the total number of students in four different school who like 5 different games. Few values are missing in the table. A candidate is expected to calculate the missing value, if it is required to answer the given question on the basis of the given data.

निम्नलिखित तालिका को ध्यानपूर्वक पढ़िए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

दी गई तालिका चार अलग-अलग स्कूलों में 5 अलग-अलग खेल पसंद करने वाले छात्रों की कुल संख्या दर्शाती है। तालिका में कुछ मान लुप्त हैं। एक उम्मीदवार से लुप्त मानकी गणना करने की अपेक्षा की जाती है, यदि दिए गए डेटा के आधार पर दिए गए प्रश्न का उत्तर देना आवश्यक है।

School स्कूल	Total no. of students छात्रों की कुल संख्या	Cricket क्रिकेट	Golf गोल्फ	Football फुटबॉल	Tennis टेनिस	Hockey हॉकी
P	15000	20%	12%	—	—	45%
Q	21000	—	—	35%	20%	12%
R	12000	45%	10%	—	15%	—
S	18000	15%	—	—	30%	18%

Q185. No. of students who like football in school S is approximately what percentage of no. of students who like tennis in school Q. If ratio of no. of students who like football in school Q to that in P is 7: 2. No. of student who like tennis in school P is 25% more than no. of student who like football in school S?

स्कूल S में फुटबॉल पसंद करने वाले छात्रों की संख्या, स्कूल Q में टेनिस पसंद करने वाले छात्रों की संख्या का लगभग कितना प्रतिशत है? यदि स्कूल Q में फुटबॉल पसंद करने वाले छात्रों की संख्या का P से अनुपात 7:2 है। स्कूल P में टेनिस पसंद करने वाले छात्रों की संख्या स्कूल S में फुटबॉल पसंद करने वाले छात्र की संख्या से 25% अधिक है?

- (a) 26%
(b) 32%
(c) 21%
(d) 16%
(e) 37%

Q186. What is the average no. of students who like cricket in school S, golf in school Q and hockey in school R. If no. of student who like cricket in school Q is 2000 less than no. of student who like tennis in school S and no. of students who like golf in school P is equal to no. of students who like football in school R?

स्कूल S में क्रिकेट पसंद करने वाले छात्रों, स्कूल Q में गोल्फ और स्कूल R में हॉकी पसंद करने वाले छात्रों की औसत संख्या कितनी है? यदि स्कूल Q में क्रिकेट पसंद करने वाले छात्र की संख्या स्कूल S में टेनिस पसंद करने वाले छात्र की संख्या से 2000 कम है, स्कूल P में गोल्फ पसंद करने वाले छात्रों की संख्या स्कूल R में फुटबॉल पसंद करने वाले छात्रों की संख्या के बराबर है?

- (a) $2276\frac{2}{3}$
(b) $2676\frac{2}{3}$
(c) $2676\frac{4}{7}$
(d) $2676\frac{2}{13}$
(e) $2606\frac{1}{3}$

Q187. Find the ratio between total no. of students who like hockey in school R and P together to total no. of students who like tennis in school P and cricket in school S together. If no. of students who like tennis in school P is 15% less than no. of students who like tennis in school R and no. of students who like

football in school R is 60% of no. of students who like tennis in school Q.

स्कूल R और P में मिलाकर हॉकी पसंद करने वाले छात्रों की कुल संख्या का स्कूल P में टेनिस और स्कूल S में एक साथ क्रिकेट पसंद करने वाले छात्रों की संख्या से अनुपात कितना है? स्कूल P में टेनिस पसंद करने वाले छात्रों की संख्या स्कूल R में टेनिस पसंद करने वाले छात्रों की संख्या से 15 प्रतिशत कम है स्कूल R में फुटबॉल पसंद करने वाले छात्रों की संख्या का स्कूल Q में टेनिस पसंद करने वाले छात्रों की संख्या का 60 प्रतिशत है।

- (a) 47:88
(b) 87:47
(c) 42: 89
(d) 87 :41
(e) 85: 47

Q188. Find the difference between total no. of students who like cricket in school R and S together to total no. of students who like tennis in school Q and S together.

स्कूल R और S में क्रिकेट पसंद करने वाले छात्रों की कुल संख्या का स्कूल Q और S में एक साथ टेनिस पसंद करने वाले छात्रों की कुल संख्या के मध्य अंतर ज्ञात कीजिये।

- (a) 1750
(b) 1500
(c) 1800
(d) 2100
(e) 1250

Directions (189-192): The following questions are accompanied by two statements, I and II. You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

निम्नलिखित प्रश्नों के साथ दो कथन I और II दिए गए हैं। आपको यह निर्धारित करना है कि कौन से कथन प्रश्नों का उत्तर देने के लिए पर्याप्त/आवश्यक हैं/हैं।

Q189. Find the distance travel by the boat in upstream.

नाव द्वारा धारा के प्रतिकूल यात्रा की दूरी ज्ञात कीजिए।

I. Speed of boat in still water is 60% more than the upstream speed. The total time taken by the boat to go a certain distance in upstream and come back is 36 hrs.

शांत जल में नाव की गति धारा के प्रतिकूल गति से 60% अधिक है। नाव को धारा के प्रतिकूल एक निश्चित दूरी तय करने और वापस आने में 36 घंटे का समय लगता है।

II. Time taken by the boat to travel the same distance in downstream is 15 hrs.

नाव द्वारा अनुप्रवाह में समान दूरी तय करने में लगने वाला समय 15 घंटे है।

- (a) either I alone or II alone / या तो I अकेला या अकेला II
(b) Only I / केवल I
(c) only II / केवल II
(d) neither I nor II/ न तो I और न ही II
(e) both I and II together / I और II दोनों एक साथ

Q190. What is the discount percent given on the book?

पुस्तक पर कितना छूट प्रतिशत दिया गया है?

I. Cost Price of a book is 40% of sum of marked price and selling price of the book. Profit earned on the book is $16\frac{2}{3}\%$.

एक पुस्तक का क्रय मूल्य, अंकित मूल्य और पुस्तक के विक्रय मूल्य के योग का 40% है। पुस्तक पर अर्जित लाभ $16\frac{2}{3}\%$ है।

II. Discount given on the book is Rs 100.

किताब पर दी गई छूट 100 रु. है।

- (a) either I alone or II alone / या तो I अकेला या अकेला II
 (b) Only I / केवल I
 (c) only II / केवल II
 (d) neither I nor II / न तो I और न ही II
 (e) both I and II together / I और II दोनों एक साथ

Q191. A vessel contains mixture of milk and water in the ratio of 5 : 7 respectively. Find the quantity of milk in vessel.

एक बर्तन में दूध और पानी का मिश्रण क्रमशः 5:7 के अनुपात में है। बर्तन में दूध की मात्रा ज्ञात कीजिए।

I. If 48 l mixture taken out from the vessel and replaced with same quantity of water, milk becomes 25% of resulting mixture.

यदि 48 लीटर मिश्रण को बर्तन से निकालकर समान मात्रा में पानी से बदल दिया जाए, तो दूध परिणामी मिश्रण का 25% हो जाता है।

II. If 30 l of milk and 50 l of water added in original mixture the ratio of milk to water becomes 2 : 3.

यदि मूल मिश्रण में 30 लीटर दूध और 50 लीटर पानी मिला दिया जाए तो दूध का पानी से अनुपात 2:3 हो जाता है।

- (a) either I alone or II alone / या तो I अकेला या अकेला II
 (b) Only I / केवल I
 (c) only II / केवल II
 (d) neither I nor II / न तो I और न ही II
 (e) both I and II together / I और II दोनों एक साथ

Q192. What is the volume of the sphere?

गोले का आयतन क्या है?

I. Surface area of hemisphere is equal to the total surface area of the cylinder having radius and height in ratio 3 : 4. अर्धगोले का पृष्ठीय क्षेत्रफल उस बेलन के कुल पृष्ठीय क्षेत्रफल के बराबर है जिसकी त्रिज्या और ऊँचाई का अनुपात 3:4 है।

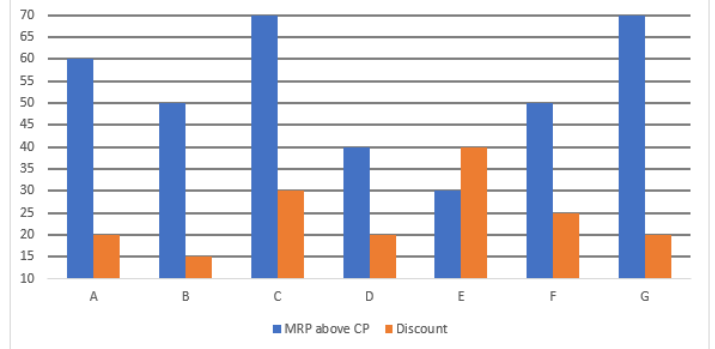
II. When we cut sphere into two hemi-sphere then total surface area is equal to the area of a circle whose radius is 21 cm.

जब हम गोले को दो अर्ध-गोले में काटते हैं तो कुल सतह का क्षेत्रफल एक वृत्त के क्षेत्रफल के बराबर होता है जिसकी त्रिज्या 21 सेमी है।

- (a) either I alone or II alone / या तो I अकेला या अकेला II
 (b) Only I / केवल I
 (c) only II / केवल II
 (d) neither I nor II / न तो I और न ही II
 (e) both I and II together / I और II दोनों एक साथ

Directions (193-196): The bar graph shows the percentage of marked up above CP and discount percentage given on 7 different items by a shopkeeper. Read the data carefully and answer the following questions.

बार ग्राफ एक दुकानदार द्वारा 7 विभिन्न वस्तुओं पर क्रय मूल्य से ऊपर अंकित प्रतिशत और छूट प्रतिशत को दर्शाता है। डेटा को ध्यान से पढ़ें और निम्नलिखित प्रश्नों के उत्तर दें।



Q193. If marked price of item A and cost price of item C are same, then what is the ratio of selling price of item A to marked price of item C?

यदि वस्तु A का अंकित मूल्य और वस्तु C का क्रय मूल्य समान है, तो वस्तु A के विक्रय मूल्य का वस्तु C के अंकित मूल्य से अनुपात कितना है?

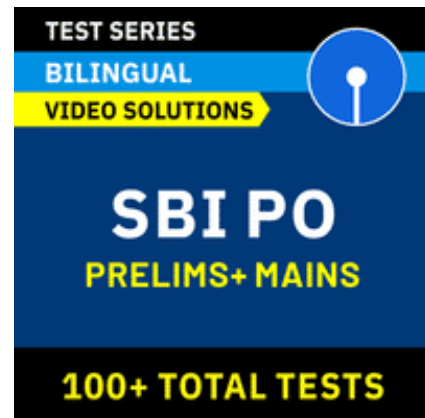
- (a) 15:8
 (b) 17:8
 (c) 8:15
 (d) 8:17
 (e) can't be determined

निर्धारित नहीं किया जा सकता

Q194. If ratio of CP of item C to that of item G is 5:3 and difference between their SP is Rs. 561, then what is the difference between their MRP? (in Rs.)

यदि वस्तु C के क्रय मूल्य का वस्तु G के क्रय मूल्य से अनुपात 5:3 है और उनके विक्रय मूल्य के बीच का अंतर 561 रु. है। तो उनके एमआरपी में क्या अंतर है? (रु. में)

- (a) 1190
 (b) 850
 (c) 1020
 (d) 1360
 (e) 1530



Q195. If SP of item B is equal to CP of item D and difference between their MRP is Rs.285, then what is CP of item B? (in Rs)

यदि वस्तु B का विक्रय मूल्य, वस्तु D के क्रय मूल्य के बराबर है और उनके MRP के बीच का अंतर 285 रुपये है, तो वस्तु B का क्रय मूल्य क्या है? (रु. में)

- (a) 1200
- (b) 500
- (c) 800
- (d) 1000
- (e) 900

Q196. The difference between loss incurred on item E after selling it at 40% discount and profit earned when same item is sold at 20% discount is Rs. 126, then what is the sum of CP and MRP of item E? (in Rs.)

वस्तु E को 40% छूट पर बेचने के बाद उस पर हुई हानि और उसी वस्तु को 20% छूट पर बेचने पर अर्जित लाभ के बीच का अंतर 126 रु. है, तो वस्तु E के CP और MRP का योग क्या है? (रु. में)

- (a) 1610
- (b) 1150
- (c) 1380
- (d) 1840
- (e) 2070

Directions (197-200):- In an exhibition of bikes there were three companies HONDA, PULSAR and HERO who introduced their models in the exhibition and it is found at the last of the exhibition that total 300 customers have visited exhibition. 50% customers purchased HONDA; 55% customers purchased HERO; 45% customers purchased PULSAR. 20% of customers who purchased HONDA also purchased other two brands. Customers who purchased any of two brands are 95. Customers of only HONDA are 20 more than that of only PULSAR. Customers who purchased only HONDA and PULSAR are 40.

बाइक की एक प्रदर्शनी में तीन कंपनियां होंडा, पल्सर और हीरो थीं जिन्होंने प्रदर्शनी में अपने मॉडल पेश किए और प्रदर्शनी के आखिरी में यह पाया गया कि कुल 300 ग्राहकों ने प्रदर्शनी का दौरा किया है। 50% ग्राहकों ने खरीदा होंडा; 55% ग्राहकों ने HERO खरीदा; 45%

ग्राहकों ने पल्सर खरीदा। होंडा खरीदने वाले 20% ग्राहकों ने अन्य दो ब्रांड भी खरीदे। दो में से कोई भी ब्रांड खरीदने वाले ग्राहकों की संख्या 95 है। केवल होंडा के ग्राहक केवल पल्सर से 20 अधिक हैं। केवल होंडा और पल्सर खरीदने वाले ग्राहकों की संख्या 40 है।

Q197. How many of them did not purchase any of the three bikes?

उनमें से कितनों ने तीन में से कोई भी बाइक नहीं खरीदी?

- (a) 15
- (b) 20
- (c) 05
- (d) 10
- (e) None of these/इनमें से कोई नहीं

Q198. How many of them purchased only one company bikes?

उनमें से कितनों ने केवल एक कंपनी की बाइक खरीदी?

- (a) 175
- (b) 160
- (c) 165
- (d) 170
- (e) None of these/इनमें से कोई नहीं

Q199. How many of them purchased at least two companies' bikes?

उनमें से कितनों ने कम से कम दो कंपनियों की बाइक खरीदीं?

- (a) 125
- (b) 105
- (c) 95
- (d) 130
- (e) None of these/इनमें से कोई नहीं

Q200. How many of them didn't purchase only PULSAR bike?

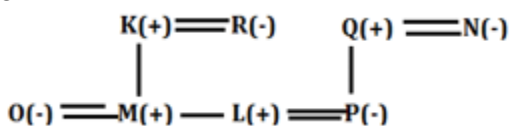
उनमें से कितनों ने केवल पल्सर बाइक नहीं खरीदी?

- (a) 160
- (b) 105
- (c) 260
- (d) 265
- (e) None of these/इनमें से कोई नहीं

Solutions

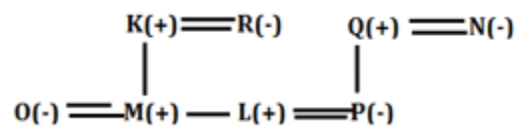
S1. Ans. (c)

Sol.



S2. Ans. (a)

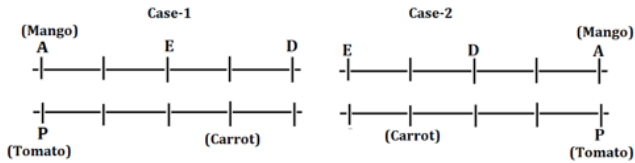
Sol.



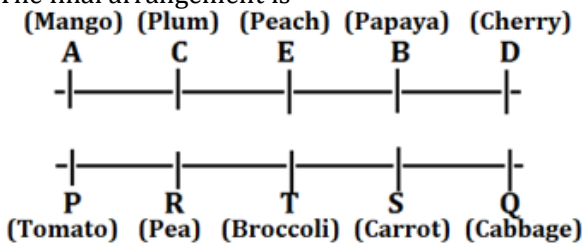
S3. Ans. (b)

Sol. A sits at one of the extreme end of the row and likes Mango. There are two possibilities. Only two persons sit between the one who face A and the one who likes Carrot.

P likes Tomato and faces A. D sits second to the left of E. Neither E nor D face the one who likes Carrot.

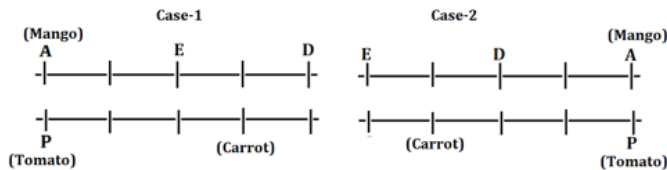


The one who likes Pea sits third to the left of the one who faces the one who likes Cherry. R sits second to the left of S and faces the one who likes Plum. The one who likes Papaya faces the one who sits immediate left of Q who likes Cabbage. C sits at one of the positions to the right of the one who likes Peach. From these conditions, case-2 will be eliminated. One of these persons likes Broccoli. The final arrangement is-

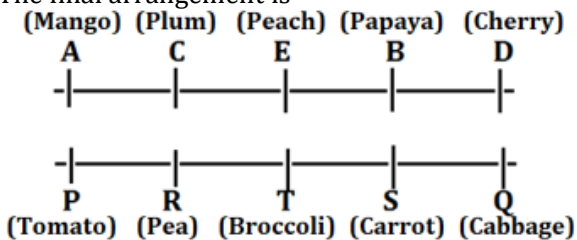


S4. Ans.(c)

Sol. A sits at one of the extreme end of the row and likes Mango. There are two possibilities. Only two persons sit between the one who face A and the one who likes Carrot. P likes Tomato and faces A. D sits second to the left of E. Neither E nor D face the one who likes Carrot.

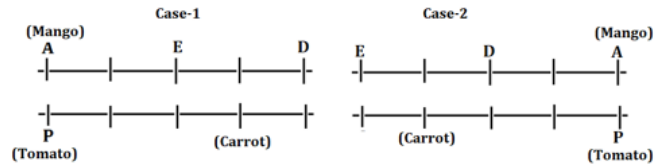


The one who likes Pea sits third to the left of the one who faces the one who likes Cherry. R sits second to the left of S and faces the one who likes Plum. The one who likes Papaya faces the one who sits immediate left of Q who likes Cabbage. C sits at one of the positions to the right of the one who likes Peach. From these conditions, case-2 will be eliminated. One of these persons likes Broccoli. The final arrangement is-

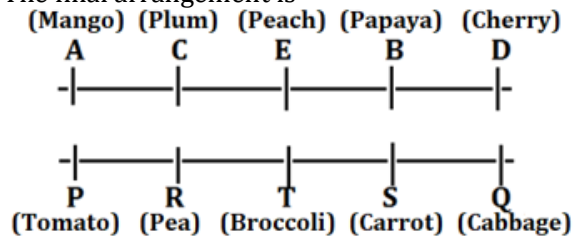


S5. Ans.(d)

Sol. A sits at one of the extreme end of the row and likes Mango. There are two possibilities. Only two persons sit between the one who face A and the one who likes Carrot. P likes Tomato and faces A. D sits second to the left of E. Neither E nor D face the one who likes Carrot.

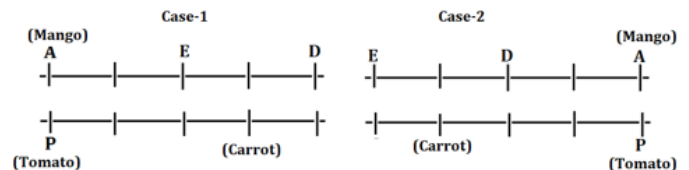


The one who likes Pea sits third to the left of the one who faces the one who likes Cherry. R sits second to the left of S and faces the one who likes Plum. The one who likes Papaya faces the one who sits immediate left of Q who likes Cabbage. C sits at one of the positions to the right of the one who likes Peach. From these conditions, case-2 will be eliminated. One of these persons likes Broccoli. The final arrangement is-

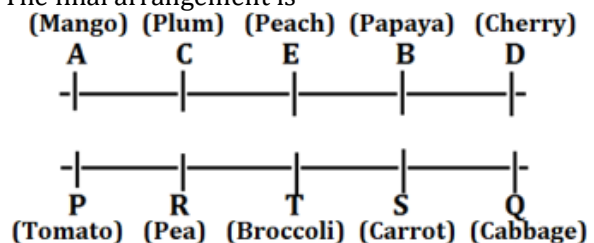


S6. Ans.(e)

Sol. A sits at one of the extreme end of the row and likes Mango. There are two possibilities. Only two persons sit between the one who face A and the one who likes Carrot. P likes Tomato and faces A. D sits second to the left of E. Neither E nor D face the one who likes Carrot.



The one who likes Pea sits third to the left of the one who faces the one who likes Cherry. R sits second to the left of S and faces the one who likes Plum. The one who likes Papaya faces the one who sits immediate left of Q who likes Cabbage. C sits at one of the positions to the right of the one who likes Peach. From these conditions, case-2 will be eliminated. One of these persons likes Broccoli. The final arrangement is-



S7. Ans.(a)

Sol. Only 1st Statement diminishes the advisory by Health Ministry as healthy food has been suggested. Guests are attending wedding, but they are following all norms and wearing masks. Trade Unions are also following guidelines. Yoga is good for health. Wearing mask has

been advised but its black marketing is not the inference in given statement.

S8. Ans.(e)

Sol.

I: $F < S$ (True)

II: $E > N$ (True)

S9. Ans.(e)

Sol.

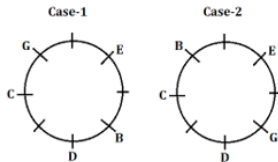
I: $L > Q$ (True)

II: $H > I$ (True)

S10. Ans.(c)

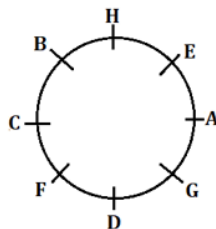
Sol. Two persons live between A and G, who likes Banana. A does not live at odd numbered floor. H lives just above A. H lives above G. E sits third to the right of D. C sits second to the left of D. B and the one who likes Banana sit opposite to each other's. The person who lives at topmost floor likes Mango. There are two possibilities.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A			
5			H	
4			A	
3	G	Banana		
2				
1			G	Banana



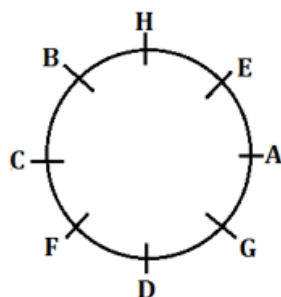
C lives at second floor and likes Orange. F sits second to the left of G. From this condition case-1 in circular arrangement ruled out. The person who sits third to the left of B likes Litchi. A does not sit third to the left of F.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A	Litchi		
5			H	
4			A	Litchi
3	G	Banana		
2	C	Orange	C	Orange
1			G	Banana



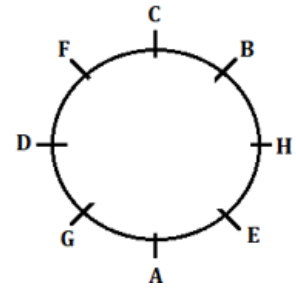
The person who lives at top floor sits immediately left of G. The one who likes Pear lives just above the one who likes Apple. H does not like Apple. The one who sits opposite to D lives above the one who like Apple. From this condition, case-2 will be eliminated.

Case-1		
Floor	Person	Fruits
8	D	Mango
7	H	
6	A	Litchi
5		Pear
4		Apple
3	G	Banana
2	C	Orange
1		



B lives above E and below F. The one who sits second to the left of C does not like Guava. So, H likes Plum and E likes Guava. The final arrangement is-

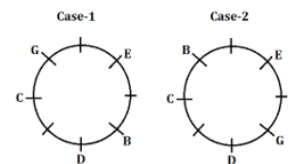
Floor	Person	Fruits
8	D	Mango
7	H	Plum
6	A	Litchi
5	F	Pear
4	B	Apple
3	G	Banana
2	C	Orange
1	E	Guava



S11. Ans.(e)

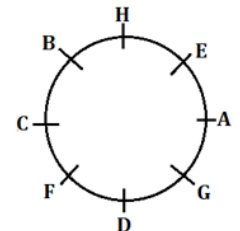
Sol. Two persons live between A and G, who likes Banana. A does not live at odd numbered floor. H lives just above A. H lives above G. E sits third to the right of D. C sits second to the left of D. B and the one who likes Banana sit opposite to each other's. The person who lives at topmost floor likes Mango. There are two possibilities.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A			
5			H	
4			A	
3	G	Banana		
2				
1			G	Banana



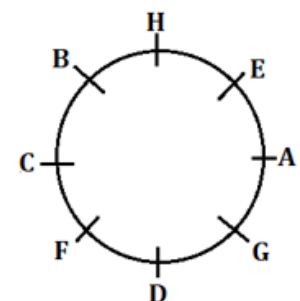
C lives at second floor and likes Orange. F sits second to the left of G. From this condition case-1 in circular arrangement ruled out. The person who sits third to the left of B likes Litchi. A does not sit third to the left of F.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A	Litchi		
5			H	
4			A	Litchi
3	G	Banana		
2	C	Orange	C	Orange
1			G	Banana



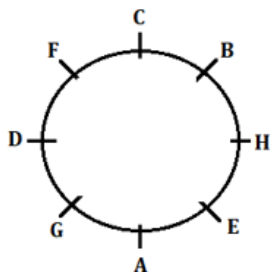
The person who lives at top floor sits immediately left of G. The one who likes Pear lives just above the one who likes Apple. H does not like Apple. The one who sits opposite to D lives above the one who like Apple. From this condition, case-2 will be eliminated.

Case-1		
Floor	Person	Fruits
8	D	Mango
7	H	
6	A	Litchi
5		Pear
4		Apple
3	G	Banana
2	C	Orange
1		



B lives above E and below F. The one who sits second to the left of C does not like Guava. So, H likes Plum and E likes Guava. The final arrangement is-

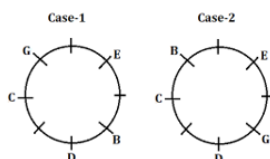
Floor	Person	Fruits
8	D	Mango
7	H	Plum
6	A	Litchi
5	F	Pear
4	B	Apple
3	G	Banana
2	C	Orange
1	E	Guava



S12. Ans.(b)

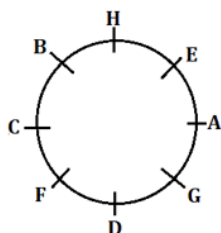
Sol. Two persons live between A and G, who likes Banana. A does not live at odd numbered floor. H lives just above A. H lives above G. E sits third to the right of D. C sits second to the left of D. B and the one who likes Banana sit opposite to each other's. The person who lives at topmost floor likes Mango. There are two possibilities.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A			
5			H	
4			A	
3	G	Banana		
2				
1			G	Banana



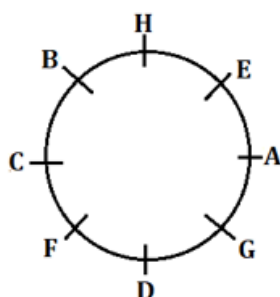
C lives at second floor and likes Orange. F sits second to the left of G. From this condition case-1 in circular arrangement ruled out. The person who sits third to the left of B likes Litchi. A does not sit third to the left of F.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A	Litchi		
5			H	
4			A	Litchi
3	G	Banana		
2	C	Orange	C	Orange
1			G	Banana



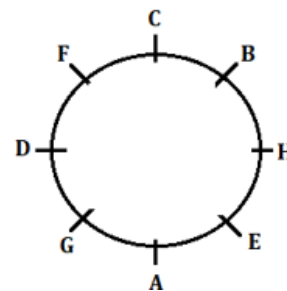
The person who lives at top floor sits immediately left of G. The one who likes Pear lives just above the one who likes Apple. H does not like Apple. The one who sits opposite to D lives above the one who like Apple. From this condition, case-2 will be eliminated.

Floor	Case-1	
	Person	Fruits
8	D	Mango
7	H	
6	A	Litchi
5		Pear
4		Apple
3	G	Banana
2	C	Orange
1		



B lives above E and below F. The one who sits second to the left of C does not like Guava. So, H likes Plum and E likes Guava. The final arrangement is-

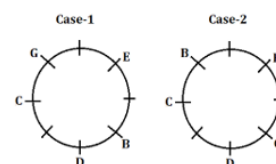
Floor	Person	Fruits
8	D	Mango
7	H	Plum
6	A	Litchi
5	F	Pear
4	B	Apple
3	G	Banana
2	C	Orange
1	E	Guava



S13. Ans.(a)

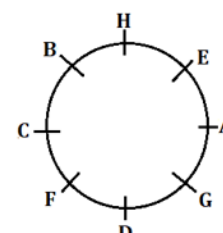
Sol. Two persons live between A and G, who likes Banana. A does not live at odd numbered floor. H lives just above A. H lives above G. E sits third to the right of D. C sits second to the left of D. B and the one who likes Banana sit opposite to each other's. The person who lives at topmost floor likes Mango. There are two possibilities.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A			
5			H	
4			A	
3	G	Banana		
2				
1			G	Banana



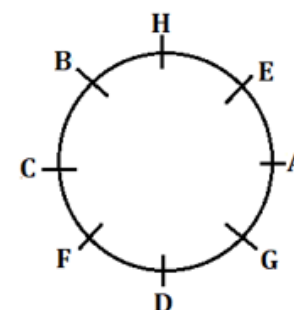
C lives at second floor and likes Orange. F sits second to the left of G. From this condition case-1 in circular arrangement ruled out. The person who sits third to the left of B likes Litchi. A does not sit third to the left of F.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A	Litchi		
5			H	
4			A	Litchi
3	G	Banana		
2	C	Orange	C	Orange
1			G	Banana



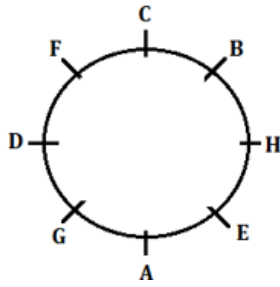
The person who lives at top floor sits immediately left of G. The one who likes Pear lives just above the one who likes Apple. H does not like Apple. The one who sits opposite to D lives above the one who like Apple. From this condition, case-2 will be eliminated.

Floor	Case-1	
	Person	Fruits
8	D	Mango
7	H	
6	A	Litchi
5		Pear
4		Apple
3	G	Banana
2	C	Orange
1		



B lives above E and below F. The one who sits second to the left of C does not like Guava. So, H likes Plum and E likes Guava. The final arrangement is-

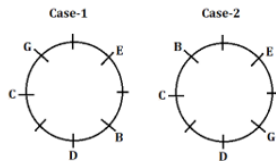
Floor	Person	Fruits
8	D	Mango
7	H	Plum
6	A	Litchi
5	F	Pear
4	B	Apple
3	G	Banana
2	C	Orange
1	E	Guava



S14. Ans.(d)

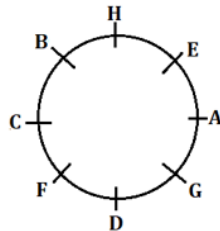
Sol. Two persons live between A and G, who likes Banana. A does not live at odd numbered floor. H lives just above A. H lives above G. E sits third to the right of D. C sits second to the left of D. B and the one who likes Banana sit opposite to each other's. The person who lives at topmost floor likes Mango. There are two possibilities.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A			
5			H	
4			A	
3	G	Banana		
2				
1			G	Banana



C lives at second floor and likes Orange. F sits second to the left of G. From this condition case-1 in circular arrangement ruled out. The person who sits third to the left of B likes Litchi. A does not sit third to the left of F.

Floor	Case-1		Case-2	
	Person	Fruits	Person	Fruits
8		Mango		Mango
7	H			
6	A	Litchi		
5			H	
4			A	Litchi
3	G	Banana		
2	C	Orange	C	Orange
1			G	Banana



The person who lives at top floor sits immediately left of G. The one who likes Pear lives just above the one who likes Apple. H does not like Apple. The one who sits opposite to D lives above the one who like Apple. From this condition, case-2 will be eliminated.

BILINGUAL

Video Solutions

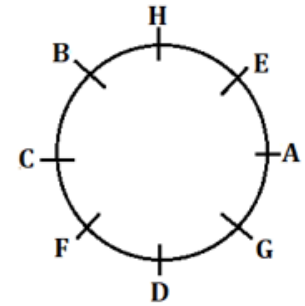
BANK PRIME

TEST PACK

IBPS RRB, SBI, IBPS PO | Clerk & Others

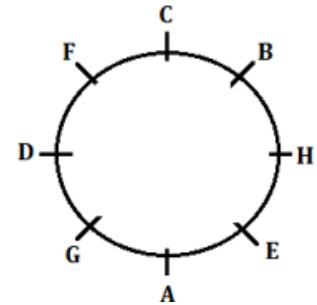
1200+ TOTAL TESTS

Case-1		
Floor	Person	Fruits
8	D	Mango
7	H	
6	A	Litchi
5		Pear
4		Apple
3	G	Banana
2	C	Orange
1		



B lives above E and below F. The one who sits second to the left of C does not like Guava. So, H likes Plum and E likes Guava. The final arrangement is-

Floor	Person	Fruits
8	D	Mango
7	H	Plum
6	A	Litchi
5	F	Pear
4	B	Apple
3	G	Banana
2	C	Orange
1	E	Guava



S15. Ans.(e)

Sol.

Only I can be assumed as case is in Supreme Court regarding OTT represented by Solicitor General and if something is creating problem or result of it is not good then only Government is presenting this case in Supreme Court. There is nothing mentioned and discussed about any producer or director, so II cannot be assumed. (III) is a suggested course of action, it is not an assumption.

S16. Ans. (a)

Sol. For row-1:

An even number is followed by an odd number = $16+3=19$

Then an odd number is followed by another odd number = $19+7=26$

For row-2:

An odd number is followed by an even number = $11*6=66$

Then an even number is followed by another even number = $66/2=33$

The sum is = $33+26=59$

S17. Ans. (c)

Sol. For row-1:

An odd number is followed by perfect square = $16-5=11$

Then an odd number is followed by another odd number = $11+5=16$

For row-2:

Even number is followed by another even number = $30/6=5$

The resultant of row-2 is = $46-16=30$

So, the value of X must be 6.

S18. Ans. (b)**Sol.** For row-1:An odd number is followed by another odd number=
 $15+5=20$ An even number is followed by another even number=
 $20/4=5$

For row-2:

An even number is followed by an odd number=
 $24+11=35$ An odd number is followed by an even number=
 $35*2=70$ The difference of row-1 and row-2=
 $70-5=65$ **S19. Ans. (c)****Sol.** For row-1:An even number is followed by an odd number=
 $12+7=19$ An odd number is followed by a perfect square =
 $25-19=6$

For row-2:

An even number is followed by an odd number=
 $16+11=27$ An odd number is followed by a perfect square=
 $27-9=18$ The multiplication of row-1 and row-2=
 $18*6=108$ **S20. Ans. (e)****Sol.**

From the given statements, There are four boxes arrange between box C and the box which has Yellow cover. The box which has Green cover place just above box C. Here, we get two possibilities i.e., Case 1 and Case 2.

Case 1		Case 2	
COMPANY	COLORS	COMPANY	COLORS
D	Green		Yellow
C			
			Green
		C	
	Yellow		

Box D places one box above the box which has Red cover. The box which has Pink cover places just above the box which has Violet cover and just below the box which has red cover. There is one box arrange between box F and The box which has white cover. Box F is placed below the box which has white cover. Box F has either Black or Blue cover. Here, Case 2 and Case 3 is ruled out. Not more than two boxes are below box G. Box G has neither Green nor Yellow cover. There are as many boxes above the box A as below box E. Box E does not have Pink cover. Box H places

immediately below the box which has Black cover. So, final arrangement will be: -

COMPANY	COLORS
D	Green
C	Black
H	Red
A	Pink
E	Violet
G	White
B	Yellow
F	Blue

S21. Ans. (c)**Sol.**

From the given statements, There are four boxes arrange between box C and the box which has Yellow cover. The box which has Green cover place just above box C. Here, we get two possibilities i.e., Case 1 and Case 2.

Case 1		Case 2	
COMPANY	COLORS	COMPANY	COLORS
D	Green		Yellow
C			
			Green
		C	
	Yellow		

Box D places one box above the box which has Red cover. The box which has Pink cover places just above the box which has Violet cover and just below the box which has red cover. There is one box arrange between box F and The box which has white cover. Box F is placed below the box which has white cover. Box F has either Black or Blue cover. Here, Case 2 and Case 3 is ruled out. Not more than two boxes are below box G. Box G has neither Green nor Yellow cover. There are as many boxes above the box A as below box E. Box E does not have Pink cover. Box H places immediately below the box which has Black cover. So, final arrangement will be: -

COMPANY	COLORS
D	Green
C	Black
H	Red
A	Pink
E	Violet
G	White
B	Yellow
F	Blue

S22. Ans. (d)

Sol.

From the given statements, There are four boxes arrange between box C and the box which has Yellow cover. The box which has Green cover place just above box C. Here, we get two possibilities i.e., Case 1 and Case 2.

Case 1		Case 2	
COMPANY	COLORS	COMPANY	COLORS
D	Green		Yellow
C			
			Green
		C	
	Yellow		

Box D places one box above the box which has Red cover. The box which has Pink cover places just above the box which has Violet cover and just below the box which has red cover. There is one box arrange between box F and The box which has white cover. Box F is placed below the box which has white cover. Box F has either Black or Blue cover. Here, Case 2 and Case 3 is ruled out. Not more than two boxes are below box G. Box G has neither Green nor Yellow cover. There are as many boxes above the box A as below box E. Box E does not have Pink cover. Box H places immediately below the box which has Black cover. So, final arrangement will be: -

COMPANY	COLORS
D	Green
C	Black
H	Red
A	Pink
E	Violet
G	White
B	Yellow
F	Blue

S23. Ans. (b)

Sol.

From the given statements, There are four boxes arrange between box C and the box which has Yellow cover. The box which has Green cover place just above box C. Here, we get two possibilities i.e., Case 1 and Case 2.

Case 1		Case 2	
COMPANY	COLORS	COMPANY	COLORS
D	Green		Yellow
C			
			Green
		C	
	Yellow		

Box D places one box above the box which has Red cover. The box which has Pink cover places just above the box which has Violet cover and just below the box which has red cover. There is one box arrange between box F and The box which has white cover. Box F is placed below the box which has white cover. Box F has either Black or Blue cover. Here, Case 2 and Case 3 is ruled out. Not more than two boxes are below box G. Box G has neither Green nor Yellow cover. There are as many boxes above the box A as below box E. Box E does not have Pink cover. Box H places immediately below the box which has Black cover. So, final arrangement will be: -

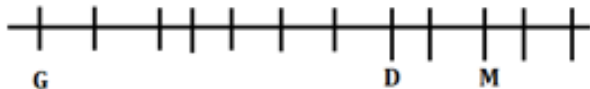
COMPANY	COLORS
D	Green
C	Black
H	Red
A	Pink
E	Violet
G	White
B	Yellow
F	Blue

S24. Ans.(b)

Sol. The data in all the statements, I and II even together are not sufficient to answer the question.

S25. Ans.(d)

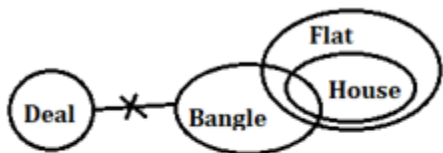
Sol. Using together both the statements we can find total number of persons are 12.



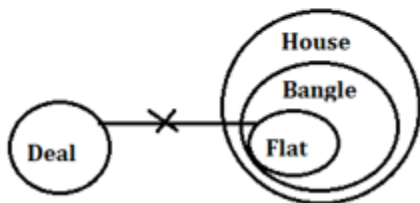
S26. Ans.(c)

Sol.

From statement -I,

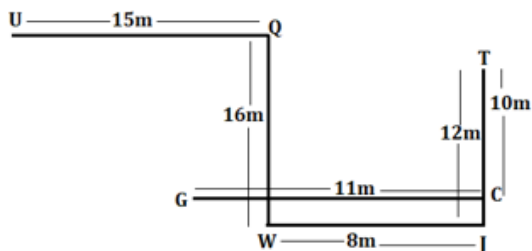


From Statement-II,



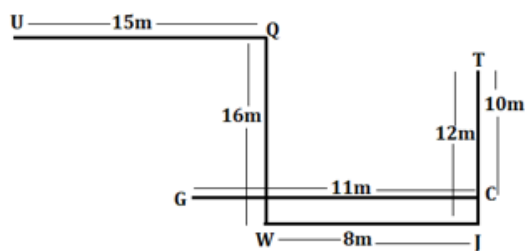
S27. Ans.(b)

Sol.



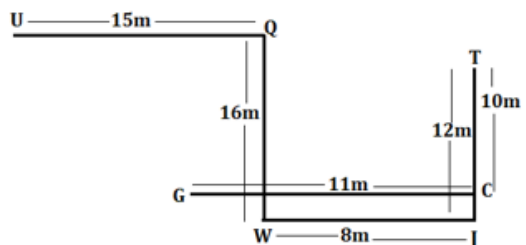
S28. Ans.(a)

Sol.



S29. Ans.(e)

Sol.



S30. Ans. (e)

Sol.

From the given statements, S neither lives on odd numbered floor nor in odd numbered flat. From here we get two possibilities i.e., Case 1 and Case2. B lives in east with respect to S. There is one floor gap between B and R and both have same flat number. The number of people lives in south west with respect to R is same as the number of people lives in north east with respect to P, who does not live in Even number flat.

Floor	Case 1			Case 2		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		S	B			R
3	P					
2			R		S	B
1				P		

There are two floors gap between P and D. From here Case 1 is ruled out but one more possibility added now i.e. Case 2a. C lives just below the D's floor.

Floor	Case 2			Case 2a		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		D	R	D		R
3	C/	C/	C/	C/	C/	C/
2		S	B		S	B
1	P			P		

Q lives in east with respect to C. Y lives just above floor of A who lives on an even numbered floor. A and Y lives in the same flat number. So, position of C is fixed. Both Z and R does not live in the same floor and same flat number. Flat-1 of any floor is not vacant. So, case-2 will be eliminated. Now we can see all ten persons are shifted to their flats and remaining two flats are vacant. So, the final arrangement will be like this –

Floor	Flat 1	Flat 2	Flat 3
4	D	Vacant	R
3	Y	C	Q
2	A	S	B
1	P	Z	Vacant

S31. Ans. (d)

Sol.

From the given statements, S neither lives on odd numbered floor nor in odd numbered flat. From here we get two possibilities i.e., Case 1 and Case2. B lives in east with respect to S. There is one floor gap between B and R and both have same flat number. The number of people lives in south west with respect to R is same as the number of people lives in north east with respect to P, who does not live in Even number flat.

Floor	Case 1			Case 2		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		S	B			R
3	P					
2			R		S	B
1				P		

There are two floors gap between P and D. From here Case 1 is ruled out but one more possibility added now i.e. Case 2a. C lives just below the D's floor.

Floor	Case 2			Case 2a		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		D	R	D		R
3	C/	C/	C/	C/	C/	C/
2		S	B		S	B
1	P			P		

Q lives in east with respect to C. Y lives just above floor of A who lives on an even numbered floor. A and Y lives in

the same flat number. So, position of C is fixed. Both Z and R does not live in the same floor and same flat number. Flat-1 of any floor is not vacant. So, case-2 will be eliminated. Now we can see all ten persons are shifted to their flats and remaining two flats are vacant. So, the final arrangement will be like this –

Floor	Flat 1	Flat 2	Flat 3
4	D	Vacant	R
3	Y	C	Q
2	A	S	B
1	P	Z	Vacant

S32. Ans. (e)

Sol.

From the given statements, S neither lives on odd numbered floor nor in odd numbered flat. From here we get two possibilities i.e., Case 1 and Case2. B lives in east with respect to S. There is one floor gap between B and R and both have same flat number. The number of people lives in south west with respect to R is same as the number of people lives in north east with respect to P, who does not live in Even number flat.

Floor	Case 1			Case 2		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		S	B			R
3	P					
2			R		S	B
1				P		

There are two floors gap between P and D. From here Case 1 is ruled out but one more possibility added now i.e. Case 2a. C lives just below the D's floor.

Floor	Case 2			Case 2a		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		D	R	D		R
3	C/	C/	C/	C/	C/	C/
2		S	B		S	B
1	P			P		

Q lives in east with respect to C. Y lives just above floor of A who lives on an even numbered floor. A and Y lives in

the same flat number. So, position of C is fixed. Both Z and R does not live in the same floor and same flat number. Flat-1 of any floor is not vacant. So, case-2 will be eliminated. Now we can see all ten persons are shifted to their flats and remaining two flats are vacant. So, the final arrangement will be like this -

Floor	Flat 1	Flat 2	Flat 3
4	D	Vacant	R
3	Y	C	Q
2	A	S	B
1	P	Z	Vacant

All are living in same flat number except Z.

S33. Ans. (c)

Sol.

From the given statements, S neither lives on odd numbered floor nor in odd numbered flat. From here we get two possibilities i.e., Case 1 and Case2. B lives in east with respect to S. There is one floor gap between B and R and both have same flat number. The number of people lives in south west with respect to R is same as the number of people lives in north east with respect to P, who does not live in Even number flat.

Floor	Case 1			Case 2		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		S	B			R
3	P					
2			R		S	B
1				P		

There are two floors gap between P and D. From here Case 1 is ruled out but one more possibility added now i.e. Case 2a. C lives just below the D's floor.

Floor	Case 2			Case 2a		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		D	R	D		R
3	C/	C/	C/	C/	C/	C/
2		S	B		S	B
1	P			P		

Q lives in east with respect to C. Y lives just above floor of A who lives on an even numbered floor. A and Y lives in the same flat number. So, position of C is fixed. Both Z and R does not live in the same floor and same flat number.

Flat-1 of any floor is not vacant. So, case-2 will be eliminated. Now we can see all ten persons are shifted to their flats and remaining two flats are vacant. So, the final arrangement will be like this -

Floor	Flat 1	Flat 2	Flat 3
4	D	Vacant	R
3	Y	C	Q
2	A	S	B
1	P	Z	Vacant

S34. Ans. (b)

Sol.

From the given statements, S neither lives on odd numbered floor nor in odd numbered flat. From here we get two possibilities i.e., Case 1 and Case2. B lives in east with respect to S. There is one floor gap between B and R and both have same flat number. The number of people lives in south west with respect to R is same as the number of people lives in north east with respect to P, who does not live in Even number flat.

Floor	Case 1			Case 2		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		S	B			R
3	P					
2			R		S	B
1				P		

There are two floors gap between P and D. From here Case 1 is ruled out but one more possibility added now i.e. Case 2a. C lives just below the D's floor.

Floor	Case 2			Case 2a		
	Flat 1	Flat 2	Flat 3	Flat 1	Flat 2	Flat 3
4		D	R	D		R
3	C/	C/	C/	C/	C/	C/
2		S	B		S	B
1	P			P		

Q lives in east with respect to C. Y lives just above floor of A who lives on an even numbered floor. A and Y lives in the same flat number. So, position of C is fixed. Both Z and R does not live in the same floor and same flat number. Flat-1 of any floor is not vacant. So, case-2 will be

eliminated. Now we can see all ten persons are shifted to their flats and remaining two flats are vacant. So, the final arrangement will be like this –

Floor	Flat 1	Flat 2	Flat 3
4	D	Vacant	R
3	Y	C	Q
2	A	S	B
1	P	Z	Vacant

S35. Ans.(a)

Sol. Conditions (iv) and (v) applied- 'DECANT' = '12μ2\$2'

S36. Ans.(b)

Sol. Conditions (i) and (v) applied- 'ADVENT' = '7\$1©\$@'

S37. Ans.(c)

Sol. Conditions (ii) and (iv) applied- 'FORMNE' = '#1#9#8'

S38. Ans.(d)

Sol. Conditions (i) and (iii) applied- 'UNITED' = '715\$17'

S39. Ans.(d)

Sol. Q was born on an odd numbered year. Only three students were born between Q and U. There are three possibilities. R is 4 years younger than S.

	Case-1	Case-2	Case-3
Years	Students	Students	Students
2001	Q		S/
2005		Q	R/
2010		S	U
2012	S		S/
2014	U	R	
2016	R	U	R/
2019			Q



P was born one of the years before Q. T was born on an even numbered year before U. From these conditions, case-1 and case-3 will be eliminated. V was born on the year, which is divisible by three. The final arrangement is-

Years	Students
2001	P
2005	Q
2010	S
2012	T
2014	R
2016	U
2019	V

S40. Ans.(a)

Sol. Q was born on an odd numbered year. Only three students were born between Q and U. There are three possibilities. R is 4 years younger than S.

	Case-1	Case-2	Case-3
Years	Students	Students	Students
2001	Q		S/
2005		Q	R/
2010		S	U
2012	S		S/
2014	U	R	
2016	R	U	R/
2019			Q

P was born one of the years before Q. T was born on an even numbered year before U. From these conditions, case-1 and case-3 will be eliminated. V was born on the year, which is divisible by three. The final arrangement is-

Years	Students
2001	P
2005	Q
2010	S
2012	T
2014	R
2016	U
2019	V

S41. Ans.(e)

S42. Ans.(c)

Sol. A mouse is a handheld device that allows you to control your computer without typing the instructions from the keyboard. By using a mouse, you can select icons,

open programs, and select, commands, present in a program by moving the pointer.

S43. Ans.(e)

Sol. TCP/IP, which stands for Transmission control Protocol/Internet Protocol, is an industry-standard protocol suite for WANs. On the other hand, HTML, COBOL, JAVA and C++ are computer programming languages.

S44. Ans.(b)

S45. Ans.(d)

Sol. A computer terminal is an electronic or electromechanical hardware device that is used for entering data into, and displaying data from, a computer or a computing system.

S46. Ans.(a)

Sol. ISDN stands for Integrated Services Digital Network.

S47. Ans.(c)

Sol. It is an IP Address

S48. Ans. (a)

Sol. Thermal printers are inkless

S49. Ans.(d)

Sol. Simplex is unidirectional while half duplex and full duplex communication modes are bidirectional. Difference between half duplex and full duplex is that the transmission of data is done one at a time in half duplex while simultaneous data transmission takes place in full duplex communication.

S50. Ans.(d)

Sol. The text written within the H4 element has the same size as the normal plain text, whereas the text written within the H1, H2 and H3 elements are larger than the normal text. Text written within the H5 and H6 elements has smaller size than the normal text.

S51. Ans.(e)

Sol. Assembler translates a program written in an assembly language into machine language.

S52. Ans.(d)

Sol. Super computers are designed for special purposes with specific inputs. For example, Super Computers are used for scientific, defense, or architectural purposes with specific instructions or input.

S53. Ans.(b)

Sol. Microsoft Edge is a web browser developed by Microsoft and included in Windows 10, Windows 10 Mobile.

S54. Ans.(d)

Sol. Gateway connects more than one network that uses different protocols.

S55. Ans. (b)

Sol. 'Dir/pathname/pathname' can be used to display all files within the specified subordinate directory of the subdirectory.

S56. Ans. (a)

Sol. Java was introduced by Sun Microsystems.

S57. Ans.(c)

Sol. Spooler is a program in computing that is used to line up print jobs by storing them in the buffer for a short time and allows the printer to print at the time when it is use.

S58. Ans. (b)

Sol. C++, Java and PHP are object oriented programming languages.

S59. Ans. (c)

Sol. When a logic bomb is activated by a time-related event, it is known as a Time bomb. In computer software, a time bomb is part of a computer program that has been written so that it will start or stop functioning after a predetermined date or time is reached.

S60. Ans. (b)

Sol. HTML and XML are based on SGML. SGML (Standard Generalized Markup Language) is a standard for how to specify a document markup language or tag set. Such a specification is itself a document type definition (DTD). SGML is not in itself a document language, but a description of how to specify one.

S61. Ans.(b)

Sol. Radio-frequency identification (RFID) uses electromagnetic fields to automatically identify and track tags attached to objects. The tags contain electronically stored information. Passive tags collect energy from a nearby RFID reader's interrogating radio waves.

S62. Ans.(d)

Sol. All other are valid keys except for track key.

S63. Ans.(a)

Sol. A hyperlink, or simply a link, is a reference to data that the reader can directly follow either by clicking, tapping, or hovering. Hyperlinks are found in nearly all Web pages, allowing users to click their way from page to page.

S64. Ans.(d)

Sol. There are only two types of threads present in an operating system. One is user-level thread and the other is kernel-level thread. User-level threads are the threads which are controlled and managed by the user of the

computer system. Kernel-level threads are the threads which are controlled and created by the operating system.

S65. Ans.(d)

Sol. In number system, LSD stands for Least Significant Digit. It refers to those digits that carry least weight.

S66. Ans.(b)

Sol. Universal gates are the gates that can be used to implement any type of Boolean logic or circuit. There are two universal gates, namely, NAND gate and NOR gate, which can be used to implement any of the basic logic gates.

S67. Ans.(b)

Sol. The hexadecimal number system has 16 possible digits represented by the symbols 0 to 9 and the alphabets A, B, C, D, E and F.

S68. Ans.(d)

Sol. Operating system provided an interface between a user and computer hardware. It enables a user to utilize hardware resources efficiently.

S69. Ans.(a)

Sol. A heat sink is a component of a motherboard which absorbs the heat produced by the processor and other components of a computer.

S70. Ans.(c)

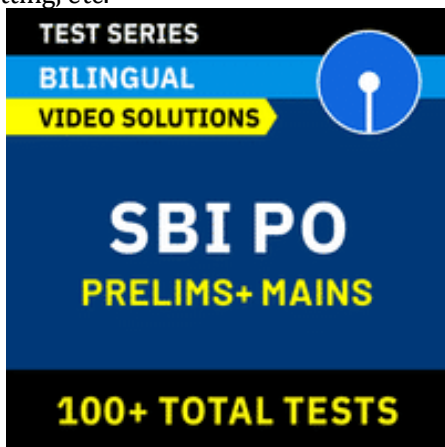
Sol. Generally, we can use mouse for selecting or highlighting object.

S71. Ans.(e)

Sol. In cryptography, data are sent in such a way that they look completely different from the original data. Thus, cryptography ensures secure transfer of data over an unsecured network.

S72. Ans.(a)

Sol. Wide Area Network (WAN) usually uses telephone lines for connectivity, as WAN is spread over a large area and offers Internet-related services such as browsing, email, chatting, etc.



S73. Ans.(e)

Sol. SubSeven is a Trojan horse program that appears or pretends to be a genuine application, but actually causes damage to the executable files on the computer.

S74. Ans.(b)

Sol. The activity of purchasing items from different websites on the internet is known as online shopping.

S75. Ans.(a)

Sol. A volatile device is a device that stores data temporarily. An example of a volatile device is RAM.

S76. Ans.(c)

Sol. OSI Model stands for Open System Interconnection and it has seven layers: Application Layer, Presentation Layer, Session Layer, Transport Layer, Network Layer, Data link Layer, Physical Layer

S77. Ans.(a)

Sol. In First Generation mainly batch processing operating system were used.

S78. Ans.(a)

Sol. In Logical results the value is either true or false.

S79. Ans.(a)

Sol. Touch Screen is an example of an I/O Device.

S80. Ans.(d)

Sol. All of the given options support 32-bit processor

S81. Ans. (d)

Sol.

- Rajasthan and Maharashtra State Legal Services Authorities have launched the Digital Lok Adalat in their respective states as part of the third National Lok Adalat of 2022.
- Over 75 lakhs cases were registered on the Digital Lok Adalat in Rajasthan.
- Both the Digital Lok Adalat were launched during the '18th All India Legal Services Authorities' summit in July 2022.

S82. Ans.(e)

Sol. PM Narendra Modi sets 'Panch Pran' target for next 25 yrs, says 'big goal' is developed India.

S83. Ans. (c)

Sol. The South Indian Bank has signed an agreement with Kerala's Forest and Wildlife Department to enable digital collection of payments at eco-tourism centres, Vanasree shops, mobile Vanasree units and eco-shops across the State.

About South Indian Bank-

- Headquarters: Thrissur
- CEO: Murali Ramakrishnan
- Founded: 29 January 1929

S84. Ans. (b)**Sol. About PM SVANidhi-**

- The scheme is a Central Sector Scheme i.e. fully funded by Ministry of Housing and Urban Affairs with the following objectives:
 - To facilitate working capital loan up to `10,000
 - To incentivize regular repayment
 - To reward digital transactions
- The scheme will help formalize the street vendors with above objectives and will open up new opportunities to this sector to move up the economic ladder.
- The Scheme is available for beneficiaries belonging to only those States/UTs which have notified Rules and Scheme under Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act, 2014. Beneficiaries from Meghalaya, which has its own State Street Vendors Act may, however, participate.
- The vendors, availing loan under the scheme, are eligible to get an interest subsidy @@ 7%.
- In April 2022, The Centre approved the continuation of the Prime Minister Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi) scheme till December 2024.

S85. Ans. (b)

Sol. Union home minister, Amit Shah virtually unveiled the 'Statue of Peace' of Swamy Ramanujacharya in Srinagar, located in a temple in the Sonwar region.

S86. Ans. (c)

Sol. Indian hockey stalwart and member of the gold medal winning 1975 World Cup team, Varinder Singh passed away. He was 75. Singh was part of the gold medal-winning Indian team at the 1975 men's Hockey World Cup in Kuala Lumpur.

S87. Ans.(c)

Sol. Bharat Electronics Limited (BEL) signed an MoU with a Belarusian Company and its subsidiary for supply of Airborne Defence Suite (ADS) for helicopters of the Indian Air Force (IAF).

S88. Ans.(b)

Sol. Global Liveability Index is released by Economist Intelligence Unit.

About Other Options-

Organizations	Reports/Indexes released
Transparency International	CORRUPTION PERCEPTIONS INDEX
UNDP	<ul style="list-style-type: none"> Human Development Index Sustainable development Goals Gender Inequality Index
UNESCO	<ul style="list-style-type: none"> UNESCO Science Report Global Education Monitoring Report
UNEP	Global Environment Outlook

S89. Ans. (a)

Sol. State Bank of India has received in-principle approval from the Reserve Bank of India for its proposed operations support subsidiary aimed at bringing down the cost-to-income ratio. The bank will soon start a pilot run in a few regions before launching the new subsidiary pan India.

Chairman of State Bank of India: Shri Dinesh Kumar Khara

S90. Ans. (a)

Sol. Capital markets are mainly divided into 2 different types.

- Primary Markets:** The primary market is the part of the capital market that deals with the issuance and sale of securities to investors directly by the issuer. An investor buys securities that were never traded before. Primary markets create long term instruments through which corporate entities raise funds from the capital market.
- Secondary Markets:** The secondary market, also called the aftermarket and follow on public offering is the financial market in which previously issued financial instruments such as stock and bonds are bought and sold.

S91. Ans. (d)

Sol. Santosh Iyer will take over as managing director and chief executive officer of Mercedes-Benz (The German luxury automaker) India's operations on January 1, 2023.

Why were other options in News?

Ravi Shastri	Former team India coach and cricketer, Ravi Shastri has been appointed the new brand ambassador for FanCode, a live content, sports statistics and ecommerce marketplace.
T. Raja Kumar	T. Raja Kumar of Singapore has been appointed as the president of Financial Action Task Force (FATF)
Sandeep Kumar Gupta	Sandeep Kumar Gupta, Director for Finance at Indian Oil Corporation, has been picked to head India's largest gas utility GAIL (India) Ltd
Asit Rath	Aviva India has appointed Asit Rath as chief executive officer and managing director.

S92. Ans. (c)

Sol. India is set to construct more railways and motorways in 2025. The length of all national highways in India is anticipated to reach 1.8 lakh kilometres and the railway lines would be 1.2 lakh kilometres by 2025 according to the report of Bank of America Securities India.

S93. Ans. (e)

Sol. Abhinav Chandrachud is the author of the new biography of Soli Sorabjee named "Soli Sorabjee: Life and Times".

The book highlights the personal details of the life of Soli Sorabjee, and his family background. He was the former Attorney General (AG) of India and served two times for the years 1989-90 and then from 1998- 2004.

S94. Ans. (c)

Sol. At the Rashtrapati Bhavan Museum, Rashtrapati Bhavan has organised a workshop on “Disaster Management of Museums and Heritage Buildings” in collaboration with the National Institute of Disaster Management (NIDM).

About National Institute of Disaster Management (NIDM)- The National Institute of Disaster Management (NIDM) is India’s top training and capacity-building organisation for dealing with natural catastrophes on a national and regional level. The Disaster Management Act 2005, which was approved by the President of India on January 9, 2006, renamed the National Centre of Disaster Management (NCDM), which was established by an Act of Parliament in 1995, to give it the current name of National Institute of Disaster Management (NIDM).

Headquarters- New Delhi

S95. Ans.(a)

Sol. The duo of Indian archer Jyothi Surekha Vennam and Abhishek Verma won bronze medal in Mixed team compound event, to win the first medal for the country at The World Games 2022 in Birmingham, USA.

S96. Ans. (b)

Sol. Instagram has launched an ‘alert’ feature to help find missing children. The photo-sharing app has partnered with various organizations globally to set up the feature. The feature will display details about missing children on users’ Instagram feed if they are in a specific area where an active search is taking place.

The alerts on the Meta-owned platform will include details such as a child’s photo, description, and location of the abduction. Instagram will show users alerts based on information like their IP address and location services (if it is turned on), it noted.

The social media platform said it has developed the child emergency alert feature in collaboration with organizations like the National Center for Missing & Exploited Children (NCMEC) in the U.S., the International Centre for Missing & Exploited Children, the National Crime Agency in the U.K., the Attorney General’s Office in Mexico, the Australian Federal Police, among others.

S97. Ans. (c)

Sol. Prime Minister Narendra Modi has launched the ‘Lifestyle for the Environment (LiFE) Movement’, a global initiative, and asserted that its vision is to live a lifestyle that is in tune with our planet and does not harm it.

The launch initiated ‘LiFE Global Call for Papers’ inviting ideas and suggestions from academics, universities and research institutions etc to influence and persuade

individuals, communities and organisations across the world to adopt an environment-conscious lifestyle.

The idea of LiFE was introduced by the Prime Minister during the 26th United Nations Climate Change Conference of the Parties COP-26 in Glasgow last year.

The idea promotes an environment conscious lifestyle that focuses on mindful and deliberate utilisation instead of mindless and destructive consumption.

S98. Ans. (c)

Sol. Kotak Mahindra Bank (KMBL) has launched Kotak FYN, a new enterprise platform designed specifically for Business Banking and Corporate clients. Customers of the bank can utilize the portal to conduct all trade and service transactions.

According to a press release, the Kotak FYN portal will contain many other services by the fourth quarter of 2022, including account services, payments, and collections.

The portal will also have a dashboard that consumers can personalise, real-time tracking of transaction limits, access to prior transactions, and upcoming transaction events, among other things.

It also promises to deliver a tailored experience in small steps with system stability.

Kotak Mahindra Bank Static Facts:

CMD: Uday Suresh Kotak

Headquarters: Mumbai

Tagline: Let’s Make Money Simple

S99. Ans. (b)

Sol. World Creativity and Innovation Week is observed from 15th April to 21st April every year to raise awareness about the importance of creativity and innovation in problem-solving and encourage creative multidisciplinary thinking at the individual and group levels.

The theme of World Creativity and Innovation's Week & Day in 2022 is Collaboration.

S100. Ans. (c)

Sol. Derivative instruments are capital market financial instruments whose values are determined from the underlying assets, such as currency, bonds, stocks, and stock indexes.

The four most common types of derivative instruments are forwards, futures, options and interest rate swaps:

- Forward: A forward is a contract between two parties in which the exchange occurs at the end of the contract at a particular price.
- Future: A future is a derivative transaction that involves the exchange of derivatives on a determined future date at a predetermined price.
- Options: An option is an agreement between two parties in which the buyer has the right to purchase or sell a particular number of derivatives at a particular price for a particular period of time.

• Interest Rate Swap: An interest rate swap is an agreement between two parties which involves the swapping of interest rates where both parties agree to pay each other interest rates on their loans in different currencies, options, and swaps.

S101. Ans.(d)

Sol. Immediate Payment Service (IMPS) public launched on 22nd November 2010 by Smt. Shyamala Gopinath, DG RBI at Mumbai.

S102. Ans.(d)

Sol. Google has announced the launch of 'Play Pass' subscription service in India that will provide Android device users access to over 1,000 applications and games without ads, in-app purchases, and upfront payments.

Play Pass, which is currently available in 90 countries, will offer a high-quality and curated collection of 1000+ titles across 41 categories from developers across 59 countries including many from India, Google said in a statement.

Play Pass will give users access to well-known games like Jungle Adventures, World Cricket Battle 2, and Monument Valley, along with apps such as Utter, Unit Converter and AudioLab, Photo Studio Pro, Kingdom Rush Frontiers TD, among others.

Google Static Facts:

CEO: Sundar Pichai

Founded: 4 September 1998

Headquarters: Mountain View, California, United States

S103. Ans.(c)

Sol. On the 1st of March, 2022, the Central Depository Services (India) announced that it now has more than six crores (i. e. equivalent to 60 million) active Demat accounts. A Demat account is a kind of account that can be used to keep online copies of securities and shares.

A Demat account is a dematerialized account in its entire form. The main purpose of a Demat account is to keep shares that have been bought or dematerialized (that means conversion from physical to electronic form of shares), making online share trading easier for users.

The solely listed depository in India is Central Depository Services (India) Limited (CDSL).

S104. Ans. (b)

Sol. Organization of the Petroleum Exporting Countries (OPEC) Secretary-General, Mohammad Sanusi Barkindo, passed away. He was born in April 1959 in northeast Nigeria's Adamawa state, Barkindo assumed the office of the OPEC Secretary-General in 2016. His tenure was scheduled to expire in July.

S105. Ans. (e)

Sol.

• The Defence ministry gave three private sector banks permission to offer financial support to it for the purchase of military equipment abroad. These banks include ICICI Bank, Axis Bank, and HDFC Bank Ltd.

• For services like the issuance of letters of credit and direct bank transfers to the ministry for overseas purchase, only authorised public sector banks have been used up until now.

S106. Ans. (d)

Sol. Former Australian all-rounder Andrew Symonds was killed in a car crash.

Symonds was also a top-rate fielder and was a key part of Australia's back-to-back 50-over World Cups triumphs in 2003 and 2007.

S107. Ans. (d)

Sol:

(i) Call money market provides the institutional arrangement for making the temporary surplus of some banks available to other banks which are temporary in short of funds.

(ii) Mainly the banks participate in the call money market. The State Bank of India is always on the lenders' side of the market.

(iii) The call money market operates through brokers who always keep in touch with banks and establish a link between the borrowing and lending banks.

(iv) The call money market is highly sensitive and competitive market. As such, it acts as the best indicator of the liquidity position of the organized money market.

(v) The rate of interest in the call money market is highly unstable. It quickly rises under the pressures of excess demand for funds and quickly falls under the pressures of excess supply of funds.

S108. Ans. (d)

Sol. IRDAI and National Health Authority (NHA) will develop a National Health Claims Exchange as a digital platform to settle health claims. The National Health Claims Exchange will be developed as a digital platform, for settling the health claims.

About IRDAI-

• Founded: 1999

• IRDAI Headquarters: Hyderabad

• IRDAI Chairperson: Debasish Panda

S109. Ans. (c)

Sol. The Oxford Children's Dictionaries & Language Data team at Oxford University Press pored through all of the entries to reveal a wealth of insights into children's evolving use of language and identify the 2020 Oxford Children's Word of the Year as 'coronavirus'.

Children have chosen 'anxiety' as their word of the year for 2021, according to new research from Oxford University Press (OUP). In comparison, teachers have chosen 'resilience'.

This year, OUP's academics focused on well-being, keeping in mind the impact of the pandemic on education, and concerns about children's mental health across the United Kingdom.

S110. Ans.(a)

Sol. Union Minister for Women and Child Development, Smriti Irani launched the “Stree Manoraksha project”. National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore, with support and funding from the Ministry of Women and Child Development.

The aim of the project is to provide training and supervision in psychosocial and mental health care for staff and counsellors of all One Stop Centres (OSCs) across the country to support women facing various forms of gender-based violence.

The project, which has been painstakingly described by NIMHANS based on the Ministry’s expected requirements, will be delivered in two formats.

All OSC functionaries, including security guards, cooks, helpers, caseworkers, counsellors, centre administrators, paramedical staff, and others, will receive basic training in one format.

The second format will emphasize the advanced course, which will focus on various components such as multi-generational implications and lifetime trauma in cases of violence against women as well as professional principles in counseling.

S111. Ans. (d)

Sol. The government of Kerala is set to launch an Android App ‘Shaili’, aimed at diagnosing and controlling lifestyle diseases among the people in the state of Kerala. The app has been set up as part of the population-based screening project launched by the Health Department under the Nava Kerala Karma plan.

S112. Ans. (a)

Sol. India and Australia signed an Economic Cooperation and Trade Agreement which will provide zero-duty access to 96 percent of India's exports to Australia, slashing import duties on a wide range of items from Australia.

The pact is expected to give a big push to bilateral trade as it will not only eliminate or lower tariffs on a large number of goods but also address the non-tariff barriers such as technical barriers to trade, apart from sanitary and phytosanitary restrictions.

S113. Ans. (d)

Sol. HDFC Bank Limited has been adjudged Best Performing Bank in Self Help Group (SHG) Linkage by Deendayal Antyodaya Yojana – National Rural Livelihood Mission (DAY-NRLM).

Ministry of Rural Development, Government of India at the event organized at the Vigyan Bhavan, New Delhi. HDFC Bank is the only private bank to be honoured with the award for its contribution in SHGs by NRLM.

National Rural Livelihoods Mission (NRLM) was launched by the Ministry of Rural Development (MoRD) in June 2011 is a poverty alleviation project. This rural income generation scheme is also known as Aajeevika Mission.

HDFC Bank Static Facts:
Headquarters: Mumbai;

Founded: August 1994;
CEO: Sashidhar Jagdishan;
Chairman: Atanu Chakraborty;
Tagline: We understand your world.

S114. Ans. (c)**Sol.**

National Financial Switch (NFS) ATM network having 37 members and connecting about 50,000 ATMs was taken over by NPCI from Institute for Development and Research in Banking Technology (IDRBT) on December 14, 2009.

Apart from basic transactions like Cash Withdrawal, Balance Enquiry, PIN Change and Mini Statement, NFS also offers other Value Added Services (VAS) on ATMs/CDMs like:

- Interoperable Cash Deposit (ICD)
- Mobile Banking Registration (MBR)
- Card-to-Card Fund Transfer (C2C)
- Cheque Book Request (CBR)
- Statement Request (SR)
- Aadhar Number Seeding (ANS)

S115. Ans. (c)

Sol. Banks borrow from each other in form of call money to maintain cash reserve ratio.

S116. Ans. (e)

Sol. The Hon’ble Prime Minister Inaugurated the Digital India Week, a Digital Expo – Digital Mela at Gandhinagar, Gujarat organized by the Ministry of Electronics and information Technology (MeitY) with the arching theme ‘Digital India: Catalyzing New India’s Techade’ a digital transformation journey for showcasing India’s Technological prowess to the world.

One of the most important initiatives is the Legal Information Management and Briefing System (LIMBS), an innovative web-based application software tool which utilizes standard templates, monitors the court cases in a proactive, transparent and effective manner. It is a dashboard based system, where user departments can see their legal matters at a glance. LIMBS ensures proper e-governance, as visualized by the government.

S117. Ans. (c)

Sol. In the presence of Chief Minister M.K. Stalin, a Memorandum of Understanding (MoU) was signed between Tamil Nadu and the Singapore-based M/s. IGSS Ventures Pte Ltd to build a 300-acre semiconductor high-tech park in the State with an investment and grants of 25,600 crore.

S118. Ans. (e)**Sol.**

- India has nominated the dance form Garba to be inscribed on UNESCO’s intangible cultural heritage list.

- India was elected by UNESCO to serve on the distinguished Intergovernmental Committee of the 2003 Convention for the Safeguarding of the Intangible Cultural Heritage in July.

S119. Ans. (a)

Sol. India's third largest private sector bank, Axis Bank has signed an MoU with Food Corporation of India (FCI) to provide "Ultima Salary Package", a best-in-class salary account with exclusive benefits & features to all its employees.

About Axis Bank-

- Founded: 1993
- Headquarters: Mumbai, Maharashtra
- Chairman: Rakesh Makhija
- MD & CEO: Amitabh Chaudhary
- Tagline: Badhti Ka naam Zindagi

S120. Ans. (a)

Sol. Supreme Court has constituted a three member bench, headed by Justice D.Y. Chandrachud, to rule on the matter pertaining to distribution of freebies to voters during elections.

S121. Ans. (c)

Sol. The correct choice is option (c) which can be inferred from second paragraph which mentions, "The first factor, demand. In the case of the Great Depression, demand was created by the Second World War effort. Especially in the United States, which was largely spared of the destruction, its industrial capabilities could be used as a supply base for the entire Allied effort. In the current scenario, there is no war to create demand."

S122. Ans. (b)

Sol. To validate the answer refer to the third paragraph which mentions, "The base effect states that when measuring year-over-year growth, we take the previous year's numbers as the base instead of actual base year and measure the growth as a percentage. As in the low initial base set by last year, almost any growth this year is seen as a significant growth percentage."

S123. Ans. (c)

Sol. To validate the correct choice refer to the last paragraph which mentions, "Foreign portfolio investors have directed a portion of the liquidity towards our markets. Compared to a developed capital market, India has a relatively low market capitalisation. It, therefore, cannot absorb the enormous capital inflow without asset prices inflating."

S124. Ans. (a)

Sol. The correct choice is option (a), which can be inferred from last lines of last paragraph which mentions, "The wealthy upper class gets richer due to access to financial assets. The middle and lower-middle-class get destitute due to regressive indirect taxes and high inflation, with

their wealth eroding due to said inflation. Especially in the case of the lower middle class, inflation is lethal as they do not have access to any hard assets, including the most fundamental hard asset, gold.

S125. Ans. (d)

Sol. The correct choice is option (d). Both statement (i) and statement (ii) are incorrect.

For falsity of statement (i), refer to the first paragraph which mentions, "In recent times, right-leaning economists have been arguing that the Government does not need to do anything with the economy and that it will revive by itself."

For falsity of statement (ii), refer to the fourth paragraph which mentions, "Foreign portfolio investors have directed a portion of the liquidity towards our markets. Compared to a developed capital market, India has a relatively low market capitalisation. It, therefore, cannot absorb the enormous capital inflow without asset prices inflating."

For statement (iii), refer to the third paragraph which mentions, "India is suffering from stagnant growth to low growth in the last two quarters."

S126. Ans. (b)

Sol. The correct choice is option (b). 'Fallacious' means 'incorrect, wrong' and 'imprecise' is synonym which means 'not clear or exact'.

Appease means to make somebody calmer or less angry by agreeing to what he/she wants.

Minute means very small.

Dissipate means to slowly become less until it disappears; to make something weaker until it disappears.

S127. Ans. (c)

Sol. The correct choice is option (c). 'Impediment' means 'something that makes it difficult for a person or thing to move or progress' and restrain is synonym which means 'to keep somebody or something under control; to prevent somebody or something from doing something'.

Captive means kept as a prisoner; (used about animals) kept in a cage, etc.

Prominent means important or famous.

Animosity means a strong feeling of anger and of not liking somebody/something.

S128. Ans. (b)

Sol. The correct choice is option (b). 'Perpetuating' means to cause something to continue for a long time and 'cease' is antonym which means to stop or end.

mawkish means sentimental in an exaggerated or false way.

dismal means causing a mood of gloom or depression.

fortify means provide (a place) with defensive works as protection against attack.

S129. Ans. (b)

Sol. Reluctant means unwilling and hesitant; disinclined.

So, from the given sentences, only (b) has the correct usage of the given word. Also, it should be 'qualifies' in first sentence, 'increase' in third and 'allowed' in fourth sentence.

S130. Ans. (d)

Sol. Perseverance means continued effort to do or achieve something despite difficulties, failure, or opposition.

So, from the given sentences, only (d) has the correct usage of the given word. Also, it should be 'face' in first sentence, 'threat' in second and 'ills' in third sentence.

S131. Ans. (b)

Sol. Eradicate means to destroy or get rid of something completely

So, from the given sentences, only (b) has the correct usage of the given word. Also, it should be 'contributing' in first sentence, 'open' in second and 'enhancing' in fourth sentence.

S132. Ans. (d)

Sol. Dissipate means to slowly become less until it disappears.

So, from the given sentences, only (d) has the correct usage of the given word. Also, it should be 'narrate' in first sentence, 'adequate' in second and 'introduced' in third sentence.

S133. Ans. (a)

Sol. Refrain means to stop yourself doing something; to not do something.

So, from the given sentences, only (a) has the correct usage of the given word. Also, it should be 'seriously' in second sentence, 'ensuring' in third and 'continue' in fourth sentence.

S134. Ans. (c)

Sol. The error lies in option (c). In option (c), 'inevitably' should be 'inevitable' as we need adjective here for noun 'task'.

S135. Ans. (b)

Sol. The error lies in option (b). In option (b), 'performs' should be 'perform' because noun 'children' is plural here for which we need plural verb.



S136. Ans. (a)

Sol. The error lies in option (a). In option (a), 'to review of the situation' should be 'to review the situation'. Here 'of' will not be used because 'of' is not used before the object that comes after the verb (*review*).

S137. Ans. (b)

Sol. The error lies in option (b). In option (b), "preferable than", like "different than" is an error. Just as "different than" should be "different from", "preferable than" should be "preferable to".

S138. Ans. (d)

Sol. The error lies in option (d). Here 'in a week' should be 'within a week' because preposition 'in' is used in the sense of 'at the end of the period of time' while 'within' is used in the sense 'before the end of the period of time'.

S139. Ans. (e)

Sol. All the given sentences are error free hence the correct choice is option (e).

S140. Ans. (a)

Sol. The error lies in option (a). In option (a), 'mostly' should be replaced with 'most' as we need adjective here for noun 'children while 'mostly' is adverb.

S141. Ans. (c)

Sol. The THIRD sentence after rearrangement is (A). Going through the given sentences it can be clearly seen that sentence (D) is the most appropriate introductory sentence choice and states the theme of the passage which is 'National Educational Policy 2020'. Now, this would be then followed by (B) as it supports the idea of skill given statement (D) by stating its importance and benefits. Next in the arrangement would be sentence (A) which is further telling about the insufficiency of traditional literacy and numeracy contrary to statement (B). This would be then followed by (E) which is providing additional information about the important step of skill learning and its purpose. And the last sentence in the arrangement would be (C) which tells about the needed motivation for to be happy. So, the final arrangement is DBAEC.

S142. Ans. (a)

Sol. The FIRST sentence after rearrangement is (D). Going through the given sentences it can be clearly seen that sentence (D) is the most appropriate introductory sentence choice and states the theme of the passage which is 'National Educational Policy 2020'. Now, this would be then followed by (B) as it supports the idea of skill given statement (D) by stating its importance and benefits. Next in the arrangement would be sentence (A) which is further telling about the insufficiency of traditional literacy and numeracy contrary to statement (B). This would be then followed by (E) which is providing additional information about the important

step of skill learning and its purpose. And the last sentence in the arrangement would be (C) which tells about the needed motivation for to be happy. So, the final arrangement is *DBAEC*.

S143. Ans. (e)

Sol. The FIFTH sentence after rearrangement is (C). Going through the given sentences it can be clearly seen that sentence (D) is the most appropriate introductory sentence choice and states the theme of the passage which is 'National Educational Policy 2020'. Now, this would be then followed by (B) as it supports the idea of skill given statement (D) by stating its importance and benefits. Next in the arrangement would be sentence (A) which is further telling about the insufficiency of traditional literacy and numeracy contrary to statement (B). This would be then followed by (E) which is providing additional information about the important step of skill learning and its purpose. And the last sentence in the arrangement would be (C) which tells about the needed motivation for to be happy. So, the final arrangement is *DBAEC*.

S144. Ans. (b)

Sol. The FOURTH sentence after rearrangement is (E). Going through the given sentences it can be clearly seen that sentence (D) is the most appropriate introductory sentence choice and states the theme of the passage which is 'National Educational Policy 2020'. Now, this would be then followed by (B) as it supports the idea of skill given statement (D) by stating its importance and benefits. Next in the arrangement would be sentence (A) which is further telling about the insufficiency of traditional literacy and numeracy contrary to statement (B). This would be then followed by (E) which is providing additional information about the important step of skill learning and its purpose. And the last sentence in the arrangement would be (C) which tells about the needed motivation for to be happy. So, the final arrangement is *DBAEC*.

S145. Ans. (d)

Sol. The SECOND sentence after rearrangement is (B). Going through the given sentences it can be clearly seen that sentence (D) is the most appropriate introductory sentence choice and states the theme of the passage which is 'National Educational Policy 2020'. Now, this would be then followed by (B) as it supports the idea of skill given statement (D) by stating its importance and benefits. Next in the arrangement would be sentence (A) which is further telling about the insufficiency of traditional literacy and numeracy contrary to statement (B). This would be then followed by (E) which is providing additional information about the important step of skill learning and its purpose. And the last sentence in the arrangement would be (C) which tells about the needed motivation for to be happy. So, the final arrangement is *DBAEC*.

S146. Ans. (c)

Sol. The correct choice is option (c). The word is misspelt and the correct spelling is 'fructified'

S147. Ans. (b)

Sol. The correct choice is option (b). The word is misspelt and the correct spelling is 'apparent'.

S148. Ans. (d)

Sol. The correct choice is option (d). The word is misspelt and the correct spelling is 'infiltrates'.

S149. Ans. (a)

Sol. The above passage is talking about the flood management system in Bihar and Nepal. The course of action taken by the Bihar government is to tackle pouring. Therefore, the correct word for first blank is 'credited' which means to believe or say that somebody/something has a particular quality or has done something well.

cumbersome means heavy and difficult to carry, use, wear, etc.

midway means in the middle of a period of time or between two places.

rigorous means done very carefully and with great attention to detail.

S150. Ans. (d)

Sol. The above passage is talking about the flood management system in Bihar and Nepal. The course of action taken by the Bihar government is to tackle pouring. Therefore, the correct word for second blank is 'structural' which means relating to the arrangement of and relations between the parts or elements of a complex whole.

scorn means the strong feeling that you have when you do not respect somebody/something.

steep means rising or falling quickly; at a sharp angle.

erratic means changing without reason; that you can never be sure of.

S151. Ans. (b)

Sol. The above passage is talking about the flood management system in Bihar and Nepal. The course of action taken by the Bihar government is to tackle pouring. Therefore, the correct word for third blank is 'adopted' which means to take and use something.

repressive means that limits people's freedom.

extradite means to send a person who may be guilty of a crime from the country in which he/she is living to the country which wants to put him/her on trial for the crime.

contempt means the feeling that somebody/something does not deserve any respect or is without value.

S152. Ans. (c)

Sol. The above passage is talking about the flood management system in Bihar and Nepal. The course of action taken by the Bihar government is to tackle pouring.

Therefore, the correct word for forth blank is 'compensation' which means money that you pay to somebody because you have injured him/her or lost or damaged his/her property.

mar means to harm or damage something good.

mortify means to make somebody feel very embarrassed.

revive means to come or to bring somebody back to life or consciousness.

S153. Ans. (d)

Sol. The above passage is talking about the flood management system in Bihar and Nepal. The course of action taken by the Bihar government is to tackle pouring. Therefore, the correct word for fifth blank is 'perennial' which means that happens often or that lasts for a long time.

embankment means a wall of stone or earth that is built to stop a river from flooding or to carry a road or railway.

waned means to become gradually weaker or less important.

nascent means beginning to exist; not yet completely developed.

S154. Ans. (b)

Sol. The above passage is talking about the flood management system in Bihar and Nepal. The course of action taken by the Bihar government to tackle pouring. Therefore, the correct word for sixth blank is 'reckoning' which means the act of calculating something, especially in a way that is not very exact.

amend means to change something slightly in order to make it better.

vivid means having or producing a strong, clear picture in your mind.

predominantly means mostly; mainly.

S155. Ans. (b)

Sol. The above passage is talking about the flood management system in Bihar and Nepal. The course of action taken by the Bihar government to tackle pouring. Therefore, the correct word for seventh blank is 'vulnerable' which means weak and easy to hurt physically or emotionally.

animosity means a strong feeling of anger and of not liking somebody/something.

appease means to make somebody calmer or less angry by agreeing to what he/she wants.

indulging means to allow yourself to have or do something for pleasure.

S156. Ans. (e)

Sol. The correct choice is option (e) which can be inferred from first and second paragraph which mentions, "Some research studies have also argued in favour of it, citing the economic and the environmental benefits of shutting down coal plants older than, say, 25 years" and "Further, it is argued that it would be uneconomical for old plants to install pollution control equipment required to meet

the emission standards announced by the Environment Ministry, and hence it would be better to retire them."

S157. Ans. (a)

Sol. The correct choice is option (a). 'Uneconomical' means 'wasting money, time, materials, etc.' and reasonable is antonym which means 'not too expensive'. Hence the correct choice is option (a).

moribund means no longer effective and about to come to an end completely.

thrive means to grow or develop well.

castigate means to criticize, strongly oppose or punish somebody/something severely.

S158. Ans. (c)

Sol. The correct choice is option (c). 'Significant' means 'important or large enough to be noticed' and "conspicuous" is a synonym which means "easily seen or noticed".

blunt means without a sharp edge or point.

foul means very bad or unpleasant.

repudiate means to say that you refuse to accept or believe something

S159. Ans. (d)

Sol. The correct word for the given blank will be 'endorsed' which means 'to say publicly that you give official support or agreement to a plan, statement, decision, etc.' Hence correct choice will be option (d).

imperative means very important or urgent

intemperate means having or showing a lack of self-control; immoderate

strident means loud and unpleasant

S160. Ans. (a)

Sol. The correct choice is option (a). Refer to last paragraph which mentions the advantage which old plants have due to their location which is near the coal source which in turn reduces their various costs. While new plants are efficient, their far location from coal source is a drawback and increases cost and reduce savings.

S161. Ans (a)

Sol.

Let the no. of purple toys = $7x$

And total toys = $27x$

No. of black toys = $6 \times \frac{5}{3} = 10$

No. of blue toys = $10 \times \frac{40}{100} = 4$

Now

$10 + 4 + 6 + 7x = 27x$

$7x = 27x - 20$

$x = 1$

So, no. of purple toys = $7 \times 1 = 7$

S162. Ans (b)**Sol.**

Vessel A

Let the quantity of wine in vessel A be Y litersAnd quantity of water in vessel A be $(55 - Y)$ liters

Vessel B

Quantity of wine in vessel B = $80 \times \frac{2}{5} = 32$ litersAnd quantity of water in vessel B = $80 - 32 = 48$ liters

ATQ.

$$\frac{Y + 32}{55 - Y + 48} = \frac{2}{1}$$

$$Y + 32 = 2 \times (103 - Y)$$

$$Y + 32 = 206 - 2Y$$

$$3Y = 174$$

$$Y = 58$$

So, quantity of wine in vessel A = 58 liters

S163. Ans (d)**Sol.**Let the initial investment of A, B and C be $4x, 6x, 7x$ respectively.And initial investment of D = $83\frac{1}{3}\%$ of $6x = \frac{5}{6} \times 6x = 5x$

Profit sharing ratio of A, B, C, & D

$$= 4x \times 2 + 4x \times \frac{1}{2} \times 1 : 6x \times 2 + 6x \times \frac{3}{2} \times 1 : 7x \times 3 : 5x \times 2$$

$$10x : 21x : 21x : 10x$$

$$\text{Req. difference} = \frac{248000}{62x} \times 11x = \text{Rs. } 44,000$$

S164. Ans (b)**Sol.**Let Sunny invested Rs. X And Sham invested Rs. $(X - 8000)$

Interest received by Sham in 3 years

$$1^{\text{st}} \text{ year} = 20\%$$

$$2^{\text{nd}} \text{ year} = 20\% + 4\%$$

$$3^{\text{rd}} \text{ year interest} = 20\% + 8.8\%$$

$$\text{Total interest} = 20\% + 20\% + 20\% + 4\% + 8.8\% = 72.8\%$$

ATQ.

$$\frac{X \times 18 \times 5}{100} - (72.8\% \text{ of } (X - 8000)) = 9092$$

$$\frac{90X}{100} - \left(\frac{728X}{1000} - \frac{728}{1000} \times 8000 \right) = 9092$$

$$\frac{90X}{100} - \frac{728X}{1000} + 5824 = 9092$$

$$\frac{900X - 728X}{1000} = 3268$$

$$\frac{172X}{1000} = 3268$$

$$X = 19000$$

Therefore, Sunny invested Rs. 19000

And, Sham invested Rs. $(19000 - 8000) = \text{Rs. } 11000$

$$\text{Req. \%} = \frac{19000 - 11000}{19000} \times 100 = 42.1\% \approx 42\%$$

S165. Ans (e)**Sol.**Let the cost price of article for Mansi = Rs. $600x$

And selling price of article for Mansi = cost price of article for Meenu

$$= \text{Rs. } 1100x$$

$$\text{Marked price of article for Meenu} = 1100x \times \frac{120}{100} = \text{Rs. } 1320x$$

$$\text{Selling price of article for Meenu} = \text{Rs. } (1320x - 256)$$

$$\text{Profit of Mansi} = \text{Rs. } (1100x - 600x) = \text{Rs. } 500x$$

$$\text{Profit of Meenu} = (1320x - 256) - 1100x = \text{Rs. } (220x - 256)$$

ATQ.

$$500x - (220x - 256) = 1936$$

$$280x = 1680$$

$$x = 6$$

$$\text{Req. difference} = (1320 \times 6 - 256) - 1100 \times 6 = 7664 - 6600 = \text{Rs. } 1064$$

S166. Ans (c)**Sol.**Let speed of the bus = x km/hSo, speed of scooter = $(x - 15)$ km/hAnd speed of bike = $(x - 20)$ km/h

Bus crosses the scooter running in same direction

$$M = \frac{300}{(x - (x - 15)) \times \frac{5}{18}}$$

$$M = 72 \text{ seconds}$$

when scooter crosses the bike running in same direction

$$\frac{P}{((x - 15) - (x - 20)) \times \frac{5}{18}} = (72 + 36)$$

$$P = 108 \times \frac{25}{18} = 150$$

S167. Ans (a)**Sol.**Let present age of daughter be ' x ' yearsSo, present age of father $(34+x)$ yearsPresent age of son $(x-4)$ yearsAnd present age of mother = $30 + x - 4 = (26 + x)$ years

ATQ.

$$34 + x + 4 = (26 + x + 4) \times \frac{6}{5}$$

$$5 \times (38 + x) = (30 + x) \times 6$$

$$190 + 5x = 180 + 6x$$

$$10 = x$$

$$\text{Req. \%} = \frac{(10-4-2)}{(10+2)} \times 100$$

$$= \frac{4}{12} \times 100 = 33\frac{1}{3}\%$$

S168. Ans (d)**Sol.**Let the time taken by pipe P to fill the tank be ' T ' min.So, time taken by pipe Q to fill the tank $(T - 6)$ min.And time taken by pipe R to fill the tank $(T + 4)$ min.

ATQ

$$(T - 6) \times \frac{2}{3} = (T + 4) \times \frac{2}{5}$$

$$10T - 60 = 6T + 24$$

$$4T = 84$$

$$T = 21$$

So, time taken by pipe P to fill the tank be 21 min.

So, time taken by pipe Q to fill the tank = $(21 - 6) = 15$ min.And time taken by pipe R to fill the tank = $(21 + 4) = 25$ min.Let the capacity of tank {L.C.M. $\{21, 15, 25\}} = 525$ Lit.

So, efficiency of pipe P, Q and R will be 25, 35 and 21 lit/min respectively.

Capacity of remaining tank = $525 - (25 + 35 + 21) \times 5 = 120$ lit.

$$\text{Remaining tank filled by pipe P} = \frac{120}{25} = 4.8 \text{ min.}$$

S169. Ans (a)**Sol.**Let the height of cylinder be $8x$ cmAnd radius of cylinder = $8x \times \frac{87.5}{100} = 7x$ cm

ATQ.

$$2 \times \frac{22}{7} \times 8x \times 7x - 2 \times \frac{22}{7} \times 7x^2 = 2816$$

$$2 \times \frac{22}{7} \times 7x \times (8x - 7x) = 2816$$

$$2 \times \frac{22}{7} \times 7x \times x = 2816$$

$$x^2 = 64$$

$$x = 8$$

the height of cylinder be = $8 \times 8 = 64$ cmAnd radius of cylinder = $7x \times 8 = 56$ cm

$$\text{Req. vol.} = \frac{22}{7} \times 56 \times 56 \times 64 = 630784 \text{ cm}^2$$

S170. Ans (e)**Sol.**Let no. of women in family = $8x$ So, no. of men in family = $8x \times \frac{11}{8} = 11x$ And no. of children in family = $8x \times \frac{75}{100} = 6x$

Average weight of children in family = 28 kg

Average weight of women in family = $28 \times \frac{7}{4} = 49$ kgAverage weight of men in family = $2 \times 28 = 56$ kgReq. ratio = $6x \times 28 : 11x \times 56 : 8x \times 49$

= 3: 11: 7

S171. Ans (d)**Sol.**

Amount spent in a month of August = Rs.28000

Amount spent in a month of May = $28000 \times \frac{100}{80} = \text{Rs. } 35000$ Amount spent in a month of July = $35000 \times \frac{100}{140} = \text{Rs. } 25000$ Amount spent in a month of June = $25000 \times \frac{4}{5} = \text{Rs. } 20000$

$$\text{Req. difference} = \frac{(35000+25000)}{2} - \frac{(28000+20000)}{2}$$

$$= 30000 - 24000 = \text{Rs. } 6000$$

S172. Ans (b)**Sol.**Let the speed of boat in still water = X km/hAnd speed of stream = Y km/hDownstream speed of a boat = $X + Y = 45$ km/h (i)

$$\frac{120}{X - Y} = T \dots \dots (ii)$$

$$\frac{540}{45} = T$$

$$12 = T$$

T value put in (ii)

$$\frac{120}{X - Y} = 12$$

$$X - Y = 10$$

Req. distance = $7 \times 10 = 70$ km**S173. Ans (b)****Sol.****Quantity I.**

Let the length of bridge be 'd' m

And length of flyover (d+60) m

Let speed of scooter be 's' m/sec

ATQ.

$$\frac{d}{20} = s \dots (i)$$

$$\frac{d + 60}{28} = s \dots (ii)$$

From (i) & (ii)

$$\frac{d}{20} = \frac{d + 60}{28}$$

$$7d = 5d + 300$$

$$d = 150$$

Value of d put in (i)

$$\frac{150}{20} = s$$

$$7.5 = s$$

$$\text{Req. time} = \frac{90}{7.5 \times \frac{18}{5}} = \frac{10}{3} = 3\frac{1}{3} \text{ hours}$$

Quantity II.

Let the efficiency of A be '2x' unit/hour

So, efficiency of B = $2x \times \frac{150}{100} = 3x$ unit/hourAnd efficiency of C = $\frac{5}{3} \times 3x = 5x$ unit/hourTotal work = $24 \times (2x + 3x) = 120x$ unit

$$\text{Req. time} = \frac{120x \times \frac{40}{100}}{5x} = \frac{48x}{5x} = 9\frac{3}{5} \text{ hour}$$

Hence, Quantity I < Quantity II**S174. Ans (a)****Sol.****Quantity I.**Let the present age of Chandan = x yearsSo, present age of Aryan = $(x + 6)$ yearsAnd present age of Billu = $(x - 4)$ years

ATQ.

$$\frac{x}{x + 6} = \frac{5}{7}$$

$$7x = 5x + 30$$

$$x = 15$$

Billu's age after 15 years

$$15 - 4 + 15 = 26 \text{ years}$$

Quantity II.

Marked price of bedsheet = Rs. 4500

cost price of bedsheet = $4500 \times \frac{100}{150} = \text{Rs. } 3000$ Selling price of bedsheet = Rs. $(3000 + 150) = \text{Rs. } 3150$

ATQ.

$$4500 \times \frac{87.5}{100} \times \frac{100 - y}{100} = 3150$$

$$y = 20$$

Hence, Quantity I > Quantity II

S175. Ans (b)**Sol.**

Mixture K

Let quantity of alcohol and water be $3x$ & $5x$ respectively

Mixture L

Let quantity of alcohol and water be $7y$ & $9y$ respectively

quantity of alcohol in both mixtures = 80 lit.

$$3x + 7y = 80 \dots (i)$$

water in mixture L is $\frac{3}{5}$ th of water in mixture K

$$9y = \frac{3}{5} \times 5x$$

$$9y = 3x$$

$$3y = x$$

 x value put in (i)

$$3(3y) + 7y = 80$$

$$16y = 80$$

$$y = 5$$

So, value of $x = 3 \times 5 = 15$ **Quantity I.** total quantity of mixture L.

$$7y + 9y$$

$$7 \times 5 + 9 \times 5$$

$$35 + 45 = 80 \text{ lit.}$$

Quantity II. total quantity of water in both the mixture together

$$5x + 9y = 5 \times 15 + 9 \times 5 = 75 + 45 = 120 \text{ lit}$$

Hence, Quantity II > Quantity I**S176. Ans (b)****Sol.**Let the initial investment of Bob, Mike and Tom be $5x$, $7x$ & $11x$ respectively

Profit sharing ratio of Bob, Mike, Tom & Harry

$$5x \times 1 + (5x + 3000) \times 2 : 7x \times 1 : 11x + (11x + 2000) \times 2 : 8x \times 1$$

$$15x + 6000 : 7x : 33x + 4000 : 8x \dots (i)$$

ratio of profit of Bob to Harry is 5:2.

$$\text{So, } \frac{15x+6000}{8x} = \frac{5}{2}$$

$$30x + 12000 = 40x$$

$$x = 1200$$

 x value put in (i)

$$= 15 \times 1200 + 6000 : 7 \times 1200 : 33 \times 1200 + 4000 : 8 \times 1200$$

$$= 24000 : 8400 : 43600 : 9600$$

$$= 60 : 21 : 109 : 24$$

Quantity I.

$$\frac{24}{214} \times 342400 - \frac{21}{214} \times 342400$$

$$= \text{Rs. } (38400 - 33600) = \text{Rs. } 4800$$

Quantity II.

$$\frac{20}{100} \times \frac{109}{214} \times 342400 - \frac{25}{100} \times \frac{60}{214} \times 342400$$

$$= 34880 - 24000 = \text{Rs. } 10880$$

Hence, Quantity I < Quantity II

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S177. Ans (e)**Sol.**

$$8 \times 2 + 2^2 = 20$$

$$20 \times 3 - 3^2 = 51$$

$$51 \times 4 + 4^2 = 220$$

$$220 \times 5 - 5^2 = 1075$$

$$1075 \times 6 + 6^2 = 6486$$

$$6486 \times 7 - 7^2 = 45353$$

S178. Ans (d)**Sol.**

$$0.05 \times 72 = 3.6$$

$$3.6 \times 36 = 129.6$$

$$129.6 \times 18 = 2332.8$$

$$2332.8 \times 9 = 20995.2$$

$$20995.2 \times 4.5 = 94478.4$$

S179. Ans (c)**Sol.**

$$28 + (1^3 - 1) = 28$$

$$28 + (2^3 - 1) = 35$$

$$35 + (3^3 - 1) = 61$$

$$61 + (4^3 - 1) = 124$$

$$124 + (5^3 - 1) = 248$$

$$248 + (6^3 - 1) = 463$$

S180. Ans (b)**Sol.**

$$82 + (1^2 + 1^3) = 84$$

$$84 + (2^2 + 2^3) = 96$$

$$96 + (3^2 + 3^3) = 132$$

$$132 + (4^2 + 4^3) = 212$$

$$212 + (5^2 + 5^3) = 362$$

$$362 + (6^2 + 6^3) = 614$$

S181. Ans (d)**Sol.**

$$\text{No. of female in city A} = 70000 \times \frac{18}{100} \times \frac{100-38}{100} \times \frac{1}{3} = 2604$$

$$\text{No. of female in city B} = 70000 \times \frac{27}{100} \times \frac{100-24}{100} \times \frac{5}{9} = 7980$$

$$\text{No. of children in city A} = 70000 \times \frac{18}{100} \times \frac{38}{100} = 4788$$

$$\text{No. of children in city B} = 70000 \times \frac{27}{100} \times \frac{24}{100} = 4536$$

$$\text{Req. \%} = \frac{4788+4536}{2604+7980} \times 100 = \frac{9324}{10584} \times 100 = 88.09\% \approx 88\%$$

S182. Ans (e)**Sol.**

$$\text{Total no. of children in city C} = \text{Total no. of female in city E} = 70000 \times \frac{32}{100} \times \frac{19}{100} = 4256$$

$$\text{Total no. of male in city E} = 70000 \times \frac{16}{100} - 70000 \times \frac{16}{100} \times \frac{29}{100} - 4256 = 3696$$

$$\text{Total no. of children in city A} = 70000 \times \frac{18}{100} \times \frac{38}{100} = 4788$$

$$\text{Req. difference} = 4788 - 3696 = 1092$$

S183. Ans (a)**Sol.**

$$\text{No. of children in city E} = 70000 \times \frac{16}{100} \times \frac{29}{100} = 3248$$

$$\text{No. of female in city D} = 3248 \times \frac{125}{100} = 4060$$

$$\text{No. of male in city D} = 70000 \times \frac{20}{100} - 70000 \times \frac{20}{100} \times \frac{17}{100} - 4060 = 7560$$

$$\text{No. of male in city E} = 5321 \times 2 - 7560 = 3082$$

$$\text{Req. \%} = \frac{3248}{3082} \times 100 = 105.38\% \approx 105\%$$

S184. Ans (b)**Sol.**

$$\text{No. of male in city D} = \frac{70000 \times \frac{18}{100} \times \frac{88}{100} + 70000 \times \frac{27}{100} \times \frac{24}{100}}{2} = \frac{9324}{2} = 4662$$

$$\text{No. of female in city D} = 70000 \times \frac{20}{100} - 70000 \times \frac{20}{100} \times \frac{17}{100} - 4662 = 6958$$

$$\text{No. of female in city C} = 70000 \times \frac{16}{100} \times \frac{29}{100} \times \frac{11}{8} = 4466$$

$$\text{No. of male in city C} = 70000 \times \frac{19}{100} - 70000 \times \frac{19}{100} \times \frac{32}{100} - 4466 = 4578$$

$$\text{Req. sum} = 6958 + 4578 = 11536$$

S185. Ans (a)**Sol.**

$$\text{No. of students who like football in school P} = 21000 \times \frac{35}{100} \times \frac{2}{7} = 2100$$

$$\text{No. of students who like tennis in school P} = 15000 - \left(\frac{77}{100} \times 15000 + 2100 \right) =$$

$$\text{No. of students who like football in school S} = 1350 \times \frac{100}{125} = 1080$$

$$\text{No. of students who like tennis in school Q} = 21000 \times \frac{20}{100} = 4200$$

$$\text{Req. \%} = \frac{1080}{4200} \times 100 = 25.71\% \approx 26\%$$

S186. Ans (b)**Sol.**

$$\text{No. of student who like cricket in school Q} = 18000 \times \frac{30}{100} - 2000 = 3400$$

$$\text{No. of student who like golf in school Q} = 21000 - \left(21000 \times \frac{67}{100} + 3400 \right) = 3530$$

$$\text{No. of students who like football in school R} = 15000 \times \frac{12}{100} = 1800$$

$$\text{No. of students who like hockey in school R} = 12000 - \left(12000 \times \frac{70}{100} + 1800 \right) = 1800$$

$$\text{No. of students who like cricket in school S} = 18000 \times \frac{15}{100} = 2700$$

$$\text{Req. average} = \frac{2700+3530+1800}{3} = 2676 \frac{2}{3}$$

S187. Ans (b)**Sol.**

$$\text{No. of students who like tennis in school P} = 12000 \times \frac{15}{100} \times \frac{85}{100} = 1530$$

$$\text{No. of students who like cricket in school S} = 18000 \times \frac{15}{100} = 2700$$

$$\text{No. of students who like football in school R} = 21000 \times \frac{20}{100} \times \frac{60}{100} = 2520$$

$$\text{No. of students who like hockey in school R} = 12000 - \left(12000 \times \frac{70}{100} + 2520 \right) = 1080$$

$$\text{No. of students who like hockey in school P} = 15000 \times \frac{45}{100} = 6750$$

$$\text{Req. ratio} = (1080 + 6750) : (1530 + 2700) = 87 : 47$$

S188. Ans (b)**Sol.**

$$\begin{aligned} \text{Total no. of students who like cricket in school R and S together} &= \\ &= 12000 \times \frac{45}{100} + 18000 \times \frac{15}{100} = 5400 + 2700 = 8100 \end{aligned}$$

$$\begin{aligned} \text{Total no. of students who like tennis in school Q and S together} &= \\ &= 21000 \times \frac{20}{100} + 18000 \times \frac{30}{100} = 4200 + 5400 = 9600 \end{aligned}$$

$$\text{Req. difference} = 9600 - 8100 = 1500$$

S189. Ans.(d)**Sol.**

Using I.

Let the upstream speed be $5x$ kmph and speed of boat in still water be $8x$ kmphSpeed of stream = $3x$ kmphLet the distance travelled in upstream be z km.

ATQ,

$$\frac{z}{11x} + \frac{z}{5x} = 36 \dots\dots(i)$$

Hence statement I alone is not sufficient.

Using II,

$$\frac{z}{11x} = 15$$

Hence II alone is not sufficient.

Using (I) and (II) both

$$15 + \frac{z}{5x} = 36 \dots\dots(ii)$$

$$z = 105x$$

Hence both I and II together are not sufficient.

S190. Ans.(b)**Sol.**

Let the CP, SP and MP of the book be C Rs., S Rs. and M Rs. respectively.

Using I,

ATQ

$$\frac{C}{M+S} = \frac{2}{5} \dots\dots(i)$$

$$\frac{S}{7}$$

$$\frac{C}{6}$$

Let $S=7a$ and $C=6a$

Put value of S and C in (i)

$$\frac{6a}{7a+M} = \frac{2}{5}$$

$$M = 8a$$

$$\text{Discount \%} = \frac{8a-7a}{8a} \times 100 = 12.5\%$$

Hence, I alone is sufficient

Using II,

As we do not know the value of MP, so we cannot calculate the discount %.

So, I alone is sufficient to answer the question.

S191. Ans.(a)**Sol.**Let total milk in vessel = $5a$ And, total water in vessel = $7a$ **From I -**

$$\frac{5a - 48 \times \frac{5}{12}}{7a - 48 \times \frac{7}{12} + 48} = \frac{1}{3}$$

$$\frac{5a - 20}{7a + 20} = \frac{1}{3}$$

$$15a - 60 = 7a + 20$$

$$8a = 80$$

$$a = 10 \text{ l}$$

Milk in vessel = 50 l **From II -**

$$\frac{5a + 30}{7a + 50} = \frac{2}{3}$$

$$15a + 90 = 14a + 100$$

$$a = 10 \text{ l}$$

Milk in vessel = 50 l **So, either statement (I) or statement (II) by itself is sufficient to answer the question.****S192. Ans.(c)****Sol.****From I:** As no exact value is given so we cannot find volume of sphere**From II:** When we cut sphere into hemisphere total surface area of two hemisphere

Total surface area of two hemisphere

$$3\pi r^2 + 3\pi r^2 = \pi \times 21 \times 21$$

r = find out

So, volume of sphere can be finding out by statement II.

So, Statement (II) alone is sufficient to answer the question

S193. Ans.(d)

Sol.

Let CP of A and C are $100x$ and $100y$.

Then MRP and SP of A are $160x$ and $128x$

MRP and SP of C are $170y$ and $119y$

ATQ, $160x = 100y$

$$\frac{x}{y} = \frac{5}{8}$$

$$\text{Required Ratio} = \frac{128 \times 5}{170 \times 8} = 8:17$$

S194. Ans.(c)

Sol.

Let CP of C = $500x$, Let CP of G = $300x$

MRP of C = $850x$, MRP of G = $510x$

SP of C = $595x$, SP of G = $408x$

ATQ, $595x - 408x = 561$

$$x=3$$

required difference = $340x = 340 \times 3 = 1020$ Rs.

S195. Ans.(d)

Sol.

Let CP of item B = $100x$

then MRP and SP of B are $150x$ and $127.5x$

Now, CP of item D = $127.5x$

MRP of D = $178.5x$

ATQ, $178.5x - 150x = 285$

$$28.5x = 285$$

$$x=10$$

So, CP of B = 1000 Rs.

S196. Ans.(a)

Sol.

Let CP of E = $100x$, then MRP and SP of E are $130x$ and $78x$ respectively.

Loss incurred = $22x$

$$\text{New SP of E} = 100x \times \frac{130}{100} \times \frac{80}{100} = 104x$$

Profit earned = $4x$

ATQ, $22x - 4x = 126$

$$x=7$$

Required sum = $230 \times 7 = 1610$ Rs.

S197. Ans.(c)

Sol.

$$\text{Total customer purchased HONDA} = \frac{50}{100} \times 300 = 150$$

$$\text{Total purchased HERO} = \frac{55}{100} \times 300 = 165$$

$$\text{Total purchased PULSAR} = \frac{45}{100} \times 300 = 135$$

$$\text{Customer purchased all three companies bikes} = \frac{20 \times 150}{100} = 30$$

Purchased HONDA and PULSAR = 40

Two bikes purchased by customers $\Rightarrow 95$

Let only Pulsar purchased by customer = x

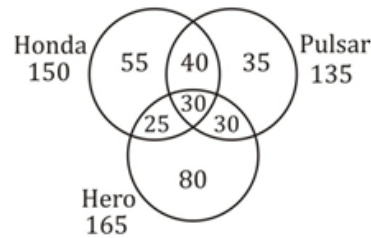
So only HONDA = $x + 20$

Now,

Total, only Pulsar and only Honda purchased by

$$x + x + 20 = 150 + 135 - 100 - 95 = 90$$

$$x = 35$$



$$300 - 295 = 05$$

S198. Ans.(d)

Sol.

$$\text{Total customer purchased HONDA} = \frac{50}{100} \times 300 = 150$$

$$\text{Total purchased HERO} = \frac{55}{100} \times 300 = 165$$

$$\text{Total purchased PULSAR} = \frac{45}{100} \times 300 = 135$$

$$\text{Customer purchased all three companies bikes} = \frac{20 \times 150}{100} = 30$$

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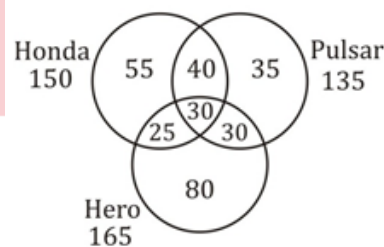
So only HONDA = $x + 20$

Now,

Total, only Pulsar and only Honda purchased by

$$x + x + 20 = 150 + 135 - 100 - 95 = 90$$

$$x = 35$$



$$= 55 + 35 + 80 = 170$$

S199. Ans.(a)

Sol.

$$\text{Total customer purchased HONDA} = \frac{50}{100} \times 300 = 150$$

$$\text{Total purchased HERO} = \frac{55}{100} \times 300 = 165$$

$$\text{Total purchased PULSAR} = \frac{45}{100} \times 300 = 135$$

$$\text{Customer purchased all three companies bikes} = \frac{20 \times 150}{100} = 30$$

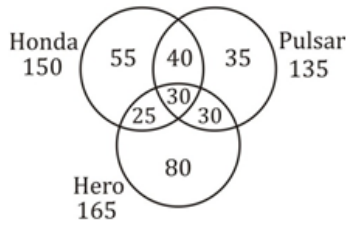
Purchased HONDA and PULSAR = 40

Two bikes purchased by customers $\Rightarrow 95$

Let only Pulsar purchased by customer = x

So only HONDA = $x + 20$

Now,
 Total, only Pulsar and only Honda purchased by
 $x + x + 20 = 150 + 135 - 100 - 95 = 90$
 $x = 35$



At least 2 bikes = $25 + 30 + 30 + 40 = 125$

S200. Ans.(d)

Sol.

Total customer purchased HONDA = $\frac{50}{100} \times 300 = 150$

Total purchased HERO = $\frac{55}{100} \times 300 = 165$

Total purchased PULSAR = $\frac{45}{100} \times 300 = 135$

Customer purchased all three companies bikes = $\frac{20 \times 150}{100} = 30$

Purchased HONDA and PULSAR = 40

Two bikes purchased by customers $\Rightarrow 95$

Let only Pulsar purchased by customer = x

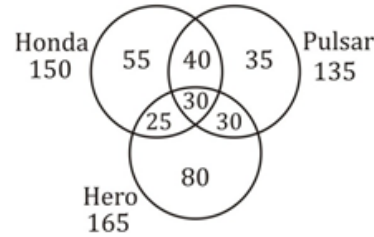
So only HONDA = $x + 20$

Now,

Total, only Pulsar and only Honda purchased by

$x + x + 20 = 150 + 135 - 100 - 95 = 90$

$x = 35$



Required number = $300 - 35 = 265$

