

## Bank Foundation Mains Mock 1

**Directions (1-4):** In each of the questions below, some statements are given followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Q1. Statements:**

Only sql is pql,  
Only a few sql is wql.  
Some mql are not wql.  
Only a few rql is mql.

**Conclusions:**

- I. Some sql are not mql.
- II. All mql being wql is a possibility.
- III. Some pql can never be wql.
- (a) If only conclusions I and II follow
- (b) If only conclusion II follows
- (c) If either conclusion II or III follows
- (d) If only conclusions I and III follow
- (e) None of these

**Q2. Statements:**

Only a few Exam are Over.  
No Over is Delayed.  
Each Delayed are Time.

**Conclusions:**

- I. Some Time can be Over.
- II. All Over being Exam is a possibility.
- III. All exam can be Delayed
- (a) If only conclusions I and II follow
- (b) If only conclusion II follows
- (c) If either conclusion II or III follows
- (d) If only conclusions I and III follow
- (e) None of these

**Q3. Statements:**

30% Fun are Happy.  
No hour is Happy.  
Some Hour is Fun.  
No Friday is Hour.

**Conclusions:**

- I. All Fun can be Friday.
- II. Some Happy are not Friday.
- III. Some Fun are not Friday.
- (a) If only conclusions I and II follows
- (b) If only conclusion III follows
- (c) If either conclusion II or III follows
- (d) If only conclusions I and III follow
- (e) None of these



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**Q4. Statements:**

Only Mobile is Laptop.

Few Data are Mobile.

No Data is Phone.

**Conclusions:**

I. Some Laptop can be Phone

II. All Data being mobile is a possibility

III. Some Phone are not Laptop

(a) If only conclusions I and II follows

(b) If only conclusion II follows

(c) If either conclusion II or III follows

(d) If only conclusions II and III follow

(e) None of these

**Directions (5-9): Study the information carefully and answer the questions given below.**

Eight persons Siri, Jaya, Mini, Viki, Abhay, Bini, Mina and Eli sit around a rectangular table in such a way that four of them sit at the corner side of the table while rest of the sit in the middle side of the table but not necessarily in the same order. Some of them face inside and the remaining face outside. They work in the same office and get different salary in integer number i.e., 21k, 25k, 32k, 45k, 49k, 55k, 60k and 66k again not necessarily in the same order. The number of persons facing inside is more than the number of persons facing outside.

Mina gets 2<sup>nd</sup> lowest salary among all and sits 2<sup>nd</sup> to the left of Bini. Jaya gets the less salary than Mina and sits opposite to Bini but not sit in the middle side of the table. Viki faces outside but is not an immediate neighbour of both Bini and Jaya. Siri gets the salary which is a multiple of 11 and sits 2<sup>nd</sup> to the right of the one who gets the maximum salary. The one who gets maximum salary sits opposite to the one who sits immediate to the right of Viki. Abhay gets  $\frac{7}{3}$  salary of Jaya and sits immediate left of her. Both Bini and Mina face in the same direction. Abhay and Siri both face to each other. Eli and Jaya face opposite direction to each other. Eli earns more than Bini but not more than Viki.

**Q5. How many persons are facing to the centre of the table?**

(a) Six

(b) Either (a) or (b)

(c) Five

(d) Seven

(e) Can't be determined

**Q6. Who among the following sits 4<sup>th</sup> to the left of Eli?**

(a) Mini

(b) Mina

(c) The one who gets 6k more than Viki

(d) The one who sits 2<sup>nd</sup> to the left of Siri

(e) All Except (b)

**Q7. If all the persons are arranged according in the alphabetical order in clockwise direction Starting from Abhay, then how many persons remain at the same position (Excluding Abhay)?**

(a) None

(b) Two

(c) One

(d) Three

(e) None of these

**Q8. Four of the following five are alike in a certain way and so form a group. Find the one who does not belong to that group?**

(a) Mina

(b) Abhay

(c) Jaya

(d) Siri

(e) Eli

**Q9. \_\_\_ sits 2<sup>nd</sup> to the left of \_\_\_.**

- (a) Mina, the one who gets 32k
- (b) Siri, the one who gets 66k
- (c) Jaya, Mini
- (d) Eli, Jaya
- (e) None of these

**Directions (10-13): In the following questions, the symbols #, \$, %, &, and @ are used with the following meaning as illustrated below:**

'Q # P' means 'Q is not greater than P'.

'Q \$ P' means 'Q is neither smaller than nor equal to P'.

'Q % P' means 'Q is neither smaller nor greater than P'.

'Q & P' means 'Q is neither greater than nor equal to P'.

'Q @ P' means 'Q is not smaller than P'.

Now in each of the following questions, assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are definitely true and give your answers accordingly.

**Q10.**

**Statements:** A # Y % B & E @ S @ G

**Conclusion:**

I. G @ A

II. Y # E

III. B @ A

- (a) Only III
- (b) Only I
- (c) Only II
- (d) Both I and III
- (e) None of these

**Q11.**

**Statements:** P \$ Q # X @ W \$ S, P # T

**Conclusion:**

I. T \$ Q

II. P & W

III. X \$ S

- (a) Both I and III
- (b) Either I or II
- (c) Only I
- (d) Only III
- (e) None of these

**Q12.**

**Statements:** A % P # B & G & E % C

**Conclusion:**

I. A # G

II. P & C

III. E \$ B

- (a) Only I
- (b) Only II
- (c) Only III
- (d) Both II and III
- (e) All I, II and III

**Q13.**

**Statements:** 318 @ 212 % 11 & 27 # 115 # 29 & 16

**Conclusion:**

I. 29 \$ 212

II. 318 & 11

III. 11 % 318

- (a) Only III
- (b) Only I
- (c) Only II
- (d) Both I and III
- (e) None of these

**Directions (14-15):** Bengal to use quack doctors as first line of defence against Covid-19. Cases have shot up by almost 5-8 times in the districts with more than 50% rural population in West Bengal, said a senior official. It is a huge work force which we want to rope in because villagers visit them regularly for treatment. We have trained some of them in three districts and be given crash course if required.

**Q14. Which of the following can be assumed from the given statement?**

- (I) Quack doctors will become ready to perform their job efficiently.
  - (II) Profession doctors and nurse will be given leave for few days.
  - (III) Rural people have strong immunity power in comparison to urban people.
- (a) Only I and III
  - (b) All of three
  - (c) Only II and III
  - (d) Only I
  - (e) Only II

**Q15. Will a decision of using quack doctors for covid cases will risk the lives of patients?**

- I. Yes, Quack doctors have not gotten any training and experience to handle the covid patients.
  - II. No, as cases are rising more health workers will be needed to handle the situation and some of the doctors have been trained and be given crash course if needed.
- (a) If only argument I is strong
  - (b) If only argument II is strong
  - (c) If either I or II is strong
  - (d) If neither I nor II is strong
  - (e) If both I and II are strong

**Directions (16-19):** Study the following information carefully and answer the questions given below:

Seven persons P, Q, R, S, T, U and V have different heights. Height of the tallest person is 154cm. Height of all the persons are an integer number.

R is taller than only T. P is taller than R and shorter than S. Q is shorter than only two persons. Height of V is 151cm. More than three persons are taller than U. Q is taller than V.

**Q16. Who among the following is second tallest person?**

- (a) S
- (b) P
- (c) U
- (d) V
- (e) Either P or V

**Q17. What is the sum of height of V and T if height of T is 5cm less than P?**

- (a) 289cm
- (b) 298cm
- (c) 199cm
- (d) 299cm
- (e) None of these

**Q18. How many persons are taller than P?**

- (a) Three
- (b) Two
- (c) Four
- (d) One
- (e) None of these

**Q19. The number of persons between P and U is same as the number of persons between \_\_\_ and \_\_\_.**

- (a) Q, S
- (b) T, V
- (c) U, T
- (d) P, Q
- (e) None of these

**Directions (20-23): Study the following information carefully to answer the given questions:**

There are six employees A, B, C, D, E, F of a company and all of them are working on six different designations of a company viz. CMD, MD, CEO, COO, SE, JE but not necessarily in the same order. All the designations given are to be considered in a given order (as CMD is considered as Senior-most and JE is considered as the Junior-most). Each of them likes different fruits.

More than two persons between E and the one who likes Guava. The number of persons senior to E is same as the number of persons junior to the one who likes Kiwi. D is senior to the one who likes Kiwi. The number of persons junior to D is same as the number of persons senior to the one who likes Grapes. E neither senior most nor junior most. A just senior to the one who likes Mango. E does not like Mango. More than three persons between F and the one who likes Banana. C is senior to B but not like Litchi.

**Q20. Who among the following is JE of the company?**

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

**Q21. Who among the following likes Grapes?**

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

**Q22. How many persons are junior to B?**

- (a) One
- (b) Two
- (c) Three
- (d) More than three
- (e) None of these

**Q23. The one who is CMD like which among the following fruit?**

- (a) Guava
- (b) Mango
- (c) Kiwi
- (d) Grapes
- (e) Banana



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**Q24.** If the first and fourth letters of the meaningful word 'NICE' third letter of the meaningful word 'RACK' and First letter of the meaningful word 'KEPT' are taken together. Find the last letter of the meaningful word formed by using these letters only once. If more than such words are formed mark X as your answer.

- (a) E
- (b) N
- (c) C
- (d) X
- (e) K

**Directions (25-25):** Each of the questions below, consist of a question and three statements numbered I, II and III. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the three statements and Give answer

**Q25.** Eight persons M, N, O, P, Q, R, S and T sit around a square table in such a way that four of them sit at the corner side of the table facing inside while rest of the sit in the middle side facing outside but not necessarily in the same order. Who among the following sits opposite to Q?

**Statement I:** O sits 3<sup>rd</sup> to the left of S. P sits 2<sup>nd</sup> to the left of N. M sits 2<sup>nd</sup> to the left of T and both of them sit in the middle side of the table.

**Statement II:** R sits immediate to the left of N. M sits 3<sup>rd</sup> to the left of N. T sits opposite to S. O sits immediate to the right of T.

**Statement III:** R does not sit opposite to N. Q and R are not an immediate neighbour to each other. One person sits between O and N.

- (a) If the data in statement I and II together are sufficient to answer the question, while the data in statement III are not required to answer the question.
- (b) If the data in statement I and III together are sufficient to answer the question, while the data in statement II are not required to answer the question.
- (c) If the data in statement II and III are sufficient to answer the question, while the data in statement I are not required to answer the question.
- (d) If the data in all three statements I, II and III together are necessary to answer the question.
- (e) If the data in all the statements, I, II and III even together are not sufficient to answer the question.

**Directions (26-28):** Study the following information carefully and answer the given questions.

A@B (12) → A is 16m north of B

A#B (15) → A is 10m south of B

A\$B (20) → A is 24m east of B

A%B (19) → A is 14m west of B

A#\$B → A is southeast of B

**Condition:** S@M (14); P\$U(15); V%M(30); P#J(22); U@V(9); J\$K(24)

**Q26.** In which direction is point K with respect to point M?

- (a) # \$
- (b) @ %
- (c) @ \$
- (d) # %
- (e) None of these

**Q27.** What is the total distance from point U to point S?

- (a) 47m
- (b) 49m
- (c) 56m
- (d) 45m
- (e) 52m

**Q28. What is the shortest distance between point V and point P?**

- (a) 250m
- (b)  $\sqrt{23}$ m
- (c)  $5\sqrt{111}$ m
- (d) 25m
- (e)  $\sqrt{530}$ m

**Directions (29-32): Study the following alphanumeric symbol series carefully and answer the questions given below:**

**J I \$ R O & 3 M Q G 4 A @ F E ^ 8 L # 9 K U \* S**

**STEP I-** The vowels which are immediately preceded by a consonant and immediately followed by a symbol are rearranged in the end of the series (after S) in English alphabetical order.

**STEP II-** The letters which are immediately followed by a symbol is replaced with its opposite letter in the English alphabetical series and placed exactly between G and 4 according to the reverse English alphabetical order. (For ex. If M is that consonant, it will be replaced by N and placed exactly between G and 4).

**STEP III-** Two is added to the digits which are immediately preceded by a symbol. (Two-digit numbers are considered as single element)

(STEP II is applied after STEP I and STEP III is applied after STEP II)

**Q29. How many extra elements found in the final step compared to step I?**

- (a) 1
- (b) 0
- (c) 2
- (d) 3
- (e) More than 4

**Q30. What is the sum of all the odd numbers in step-III?**

- (a) 6
- (b) 8
- (c) 11
- (d) 10
- (e) None of these

**Q31. How many numbers are there which are immediately followed by consonants and immediately preceded by a symbol in step-III?**

- (a) One
- (b) Three
- (c) Two
- (d) Five
- (e) None of these

**Q32. Which of the following element will be exactly in the middle of '8' and '3' in step-II?**

- (a) Z
- (b) 0
- (c) 4
- (d) G
- (e) None of these

**Directions (33-36): 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 odd number is followed by an even number, then the resultant will be the addition of both the numbers.

**Step 2:** If an even number is followed by a perfect cube (excluding 1) then the resultant will be the positive difference of that cube number and the even number.

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

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

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

**Q33. Find the sum of the resultant of two rows?**

**19 8 9**  
**24 37 12**

- (a) 909
- (b) 901
- (c) 903
- (d) 906
- (e) None of these

**Q34. Find the difference between the resultant of first and second row.**

**26 8 13**  
**15 14 29**

- (a) 233
- (b) 442
- (c) 429
- (d) 427
- (e) None of these

**Q35. Find the value X if the sum of the resultant of two rows is 115?**

**16 8 22**  
**13 16 X**

- (a) 53
- (b) 56
- (c) 52
- (d) 55
- (e) None of these

**Q36. Find the multiplication of the resultant of first and second row.**

**33 3 2**  
**11 4 3**

- (a) 39
- (b) 87
- (c) 65
- (d) 26
- (e) None of these

**Directions (37-40): Study the following information carefully and answer the given questions.**

**In a certain code language:**

“Latest retail inflation data” is coded as “U32! K30@ Q23# V5!”

“Rainfall concern particular” is coded as “N30@ T17! \_(1)\_”

“Statue until crowd standard” is coded as “W24@ K33! Y7\$ T23!”

“training \_(2)\_ pictures” is coded as “P27@ N16\$ G35@”

**Q37. What comes in the place of \_(1)\_?**

- (a) C36\$
- (b) A34#
- (c) C34#
- (d) D24@
- (e) None of these



**Q38. What is the code for the word “motivate daily”?**

- (a) W12@ V17!
- (b) G18\$ H29!
- (c) V17! N29#
- (d) V18# N29!
- (e) R15\$ U16@

**Q39. What comes in the place of \_\_ (2) \_\_?**

- (a) Aspect
- (b) Drill
- (c) Vacation
- (d) Knowingly
- (e) Either Aspect or Drill

**Q40. Which among the following word is coded as “P24@”?**

- (a) Wrap
- (b) Merger
- (c) Peace
- (d) Quietly
- (e) Quitting

**Directions (41-47): Read the following passage carefully and answer the questions given below. Certain words are given in bold to help you locate them while answering some of the questions.**

The Government has offered a sovereign guarantee to help the new ‘bad bank’, proposed in this year’s Budget, extract better value from non-performing loans worth ₹2-lakh crore in the banking system. To begin with, the National Asset Reconstruction Company Limited (NARCL) will pitch to take over toxic assets worth ₹90,000 crore that banks have already fully provided for. It will offer a certain value to the lead bank for troubled loans of over ₹500 crore, and pay 15% upfront in cash, and issue the balance as tradable security receipts. The bad bank will then rope in a separate asset manager being incorporated — the India Debt Resolution Company Ltd. (IDRCL) — to add value to the ailing asset, and resolve it as a ‘going concern’ or liquidate it. The guarantee, worth ₹30,600 crore over five years, can only be invoked once an asset is resolved and will cover any shortfall between the face value of the security receipts issued by the NARCL and the actual amount realised from a bad loan. The guarantee fee will be increased each year as a nudge for NARCL and the IDRCL to speed up resolution. After losing precious time dithering over its pros and cons, the Government now believes this approach will be more expeditious to fix the substantial NPAs that persist despite the existing debt recovery mechanisms including the Insolvency and Bankruptcy Code. Terming banks’ high provisioning for legacy loans a ‘unique opportunity’, the Centre thinks NARCL will also help free up bank personnel to focus on faltering credit growth and spur the economy.

To the extent that the NARCL and IDRCL managements will streamline decisions once a loan is taken over, instead of seeking consensus among multiple lenders as the IBC **entails**, the idea holds some weight. But banks have already provided for these loans, so this is perhaps a tardy **gambit** and may not work in jump-starting credit flows unless accompanied by their recapitalisation. On the likelihood of the guarantee being invoked, the Finance Ministry has said once the assets are pooled together, ‘it is reasonable to expect’ that many of them will realise more value than NARCL’s acquisition cost. This may be a tad optimistic. As the Finance Minister herself said, 28 existing private ARCs are hesitant about taking a job at extracting value from these bad loans, perhaps owing to their size. That begs the question about the calibre of professionals NARCL and the IDRCL would need to outdo private players. The new entities’ ability to get a few good men to deliver more bang for sunk capital would be critical, as would structures to pre-empt a moral hazard that the guarantee poses (of not bothering too much about final realisation value). This self-proclaimed endgame of India’s bad loans crisis needs sustained attention for a satisfactory culmination.

**Q41. Which of the following is an incorrect statement with reference to the passage given above?**

- (a) Currently the Indian banking system is having non-performing loans worth ₹2-lakh crore.
- (b) As per the sovereign guarantee to help the new ‘bad bank’, proposed in this year’s Budget, the guarantee fee will be decreased each year as a nudge for NARCL and the IDRCL.
- (c) NARCL will be responsible for adding value to the non performing asset, and liquidating it.
- (d) Both (b) and (c)
- (e) All are correct

**Q42. Which of the following can be the most appropriate summary for the passage given above?**

- (a) Guarantees for the 'bad bank' may help, but would not suffice to fix lenders' woes.
- (b) Government is all set to address the scorching issue of ailing assets through reformative steps.
- (c) Government agencies ready to outmanoeuvre the private players.
- (d) The issue of non performing assets in India is untreatable.
- (e) None of the above

**Q43. Which of the following is not one of the purposes of NARCL regarding non performing assets?**

- (i) NARCL will help free up bank personnel to focus on fluctuating credit growth.
  - (ii) NARCL is going to propel the Indian Economy.
  - (iii) NARCL will streamline decisions once a loan is taken over.
- (a) Only (i)
  - (b) Only (ii)
  - (c) Both (i) and (ii)
  - (d) Both (ii) and (iii)
  - (e) All are correct

**Q44. Which of the following correctly refers to the non-performing assets according to the passage given above?**

- (i) IDRCL will offer a certain value to the lead bank for non-performing loans of over Rs. 500 crore.
  - (ii) The guarantee can only be entreated once an asset is resolved and the guarantee will be worth Rs. 30,600 crore over six years.
  - (iii) National Asset Reconstruction Company Limited will pitch to take over non performing assets worth Rs.90,000 crore that banks have already fully provided for.
- (a) Only (i)
  - (b) Only (ii)
  - (c) Only (iii)
  - (d) Only (i) and (ii)
  - (e) Only (ii) and (iii)

**Q45. Why does the passage raise a question regarding the distinction of NARCL and the IDRCL in comparison to private players?**

- (i) As the NARCL and IDRCL's ability to get a few good men to deliver more bang for sunk capital would be critical.
  - (ii) As it would be structured to pre-empt a moral hazard that the guarantee poses.
  - (iii) As NARCL is registered with the Reserve Bank of India as an Asset Reconstruction Company
- (a) Only (i)
  - (b) Only (ii)
  - (c) None of these
  - (d) only (iii)
  - (e) Both (i) and (ii)

**Q46. Which of the following words is most similar to GAMBIT, as highlighted in the above passage?**

- (a) crooked
- (b) manoeuvre
- (c) openness
- (d) bungle
- (e) fumble

**Q47. Which of the following words is most opposite to 'Entail', as highlighted in the above passage?**

- (a) precipitate
- (b) necessitate
- (c) elicit
- (d) engender
- (e) preclude

**Directions (48-53): Read the following passage carefully and answer the questions given below. Certain words are given in bold to help you locate them while answering some of the questions.**

In a well-functioning disease surveillance system, an increase in cases of any illness would be identified very quickly. An example is Kerala, arguably the best performing disease surveillance system amongst the Indian States, as it is picking the maximum COVID-19 cases; it could pick the first case of the Nipah virus in early September 2021. On the contrary, cases of dengue, malaria, leptospirosis and scrub typhus received attention only when more than three dozen deaths were reported and health facilities in multiple districts of Uttar Pradesh, began to be overwhelmed. The situation is not very different in States such as Madhya Pradesh and Haryana, where viral illnesses, most likely dengue, are causing hospitalization but not being correctly identified or are being reported as mystery fever. This is a bit concerning as 18 months into the COVID-19 pandemic and a lot of political promises of strengthening disease surveillance and health systems, one would have expected a better performance. A review of the IDSP by joint monitoring mission in 2015, conducted jointly by the Ministry of Health and Family Welfare, the Government of India and World Health Organization India had made a few **concrete** recommendations to strengthen disease surveillance systems.

These included increasing financial resource allocation, ensuring the adequate number of trained human resources, strengthening laboratories, and zoonosis, influenza and vaccine-preventable diseases surveillance. Clearly, it is time all these recommendations are re-looked and acted upon. At a more specific level, the following should be considered by health policymakers. First, the government resources allocated to preventive and promotive health services and disease surveillance need to be increased by the Union and State governments. Second, the workforce in the primary healthcare system in both rural and urban areas needs to be retrained in disease surveillance and public health actions. The vacancies of surveillance staff at all levels need to be urgently filled in. Third, the laboratory capacity for COVID-19, developed in the last 18 months, needs to be planned and repurposed to increase the ability to conduct testing for other public health challenges and infections. This should be linked to create a system in which samples collected are quickly transported and tested and the reports are available in real-time.

The 'One Health' approach has to be promoted beyond policy discourses and made functional on the ground. Fifth, there has to be a dedicated focus on strengthening the civil registration and vital statistics (CRVS) systems and medical certification of cause of death (MCCD). These are complementary to disease surveillance systems and often where one is weak, the other is also functioning sub-optimally. Sixth, it is also time to ensure coordinated actions between the State government and municipal corporation to develop joint action plans and assume responsibility for public health and disease surveillance. The allocation made by the 15th Finance Commission to corporations for health should be used to activate this process. The emergence and re-emergence of new and old diseases and an increase in cases of endemic diseases are partly **unavoidable**. We cannot prevent every single outbreak but with a well-functioning disease surveillance system and with the application of principles of epidemiology, we can reduce their impact. Sometimes, the control of a deadly disease could be as easy as the removal of a handle of a water pump.

**Q48. Which of the following statements about the emergence and re-emergence of new and old diseases, as well as an increase in cases of endemic diseases, is/are correct?**

- (a) We can mitigate their influence by employing epidemiological concepts.
- (b) A well-functioning illness surveillance system can help us lessen their impact.
- (c) We will not be able to stop each and every epidemic.
- (d) All of the above
- (e) Only (a) and (b)

**Q49. Which of the following is the most similar to the word- "CONCRETE"?**

- (a) superficial
- (b) substantial
- (c) fabrication
- (d) Only (a) and (b)
- (e) All of the above

**Q50. Which of the following recommendations to strengthen disease surveillance systems has/have been mentioned in the given passage?**

- (a) It is also time to ensure that the WHO and the municipal corporation work together to build cooperative action strategies.
- (b) The civil registration and vital statistics systems must be strengthened with committed efforts.
- (c) A proactive strategy for public health and disease surveillance is recommended.
- (d) Only (b) and (c)
- (e) All of the above

**Q51. Which of the following statements is/are correct based on the information provided in the given passage?**

- (a) The emergence of new cases of endemic diseases can be prevented to a certain extent.
- (b) Vacancies of surveillance employees at every level must be filled as soon as possible.
- (c) The state government and local corporations should work together to monitor public health and disease outbreaks.
- (d) Only (a) and (c)
- (e) All of these

**Q52. Why is Kerala rated as the best Indian state in terms of disease monitoring system efficiency and effectiveness?**

- (I) Because it selects the most COVID-19 occurrences accessible.
  - (II) Because it has a well-functioning disease surveillance system to quickly identify the illness.
  - (III) Because it has the potential to choose the first Nipah virus case at the earliest.
- (a) Only (I)
  - (b) Only (II)
  - (c) Only (III)
  - (d) Both (I) and (II)
  - (e) Both (I) and (III)

**Q53. Which of the following is the most appropriate antonym of the word- "UNAVOIDABLE"?**

- (a) evitable
- (b) peripheral
- (c) jurisdiction
- (d) ascendancy
- (e) None of these

**Directions (54-58): Read the following passage and answer the following questions. Some words are highlighted to help you answer some of the questions.**

Wild animals are best left in their natural habitat. Even if they suffer physical deficiencies, they should be encouraged to go back to the wild, unless it is a question of their survival, the Madras High Court said on Wednesday. The observations were made while passing interim orders in a case filed against the release of Rivaldo, an elephant that was captured and treated by the Forest Department for over two months after he lost a part of his trunk, into the wild. Chief Justice Sanjib Banerjee and Justice P.D. Audikesavalu wrote: "The laws of nature may be cruel, but they may still be beyond human intelligence. There is a rule of the survival of the fittest, and though endangered animals are sometimes taken into captivity to protect or feed them, animals are best left in the wild." The judges said Rivaldo's could be the first case in the country of an elephant being released into the wild after being kept in captivity for a long period. "There is no doubt that Rivaldo will face difficulties in the wild. But one cannot be sure that he prefers captivity than being left open in the wild, and he may make attempts to make **forays** into human settlements, but he should always be encouraged to go back to the wild unless it is a question of his survival," the judges said.

The PIL petition was filed by activist S. Muralidharan, who contended that it would be better to keep Rivaldo in an elephant camp, maintained by the Forest Department. However, after watching a video submitted by government counsel C. Harsha Raj, the judges said he could be seen drinking water, foraging, grazing and attempting to extract salts from the earth. "The obvious deficiency in his trunk comes out, as Rivaldo is now using his right foot to help create balls out of bundles of grass and balance the same against his trunk to help him to lift it to his mouth. Even while drinking water, a lot of it spills out, but according to the forest officials, Rivaldo has not shown any inclination to return to human settlements and is moving in the elephant corridors that have been restored," they wrote.

The court hoped that Rivaldo would get used to his life in the wild and that the Forest Department would keep a watch on him. It directed officials to produce another video on December 9 to show how the elephant was doing in the wild and managing his affairs. Habitat destruction decreases the number of places where wildlife can live in. **Habitat fragmentation** breaks up a continuous tract of habitat, often dividing large wildlife populations into several smaller ones. Human-caused habitat loss and fragmentation are primary drivers of species declines and extinctions. Key examples of human-induced habitat loss include deforestation, agricultural expansion, and urbanization. Habitat destruction and fragmentation can increase the **vulnerability** of wildlife populations by reducing the space and resources available to them and by increasing the likelihood of conflict with humans. Moreover, destruction and fragmentation create smaller habitats. Smaller habitats support smaller populations, and smaller populations are more likely to go extinct.

**Q54. Why should wild animals be encouraged to return to the wild, despite their physical restrictions?**

- (a) Because it is best to leave them in their natural environment.
- (b) Because it is a life and death situation for them.
- (c) Because wild creatures have physical limitations.
- (d) Only (a) and (c)
- (e) None of these

**Q55. What do you understand by the term “habitat fragmentation” highlighted in the given passage?**

- (a) The number of areas where wildlife can reside is reduced as habitats are destroyed.
- (b) It refers to the dismantling of a long stretch of habitat.
- (c) It refers to the division of a major wildlife population into multiple smaller communities.
- (d) Only (a) and (b)
- (e) All of these

**Q56. Which of the following statements is/are correct based on the information provided in the given passage?**

- (a) Species reductions and extinctions are primarily driven by habitat loss caused by humans.
- (b) Habitats become smaller as a result of habitat degradation and fragmentation.
- (c) Smaller habitats have a better chance of surviving.
- (d) Only (a) and (b)
- (e) Only (b) and (c)

**Q57. Choose the most appropriate antonym of the word VULNERABILITY from the following options.**

- (a) Conducive
- (b) Resiliency
- (c) Encroached
- (d) Strigger
- (e) None of these

**Q58. Choose the most appropriate synonym of the word FORAYS from the following options.**

- (a) Elude
- (b) Concile
- (c) Incursion
- (d) Tyrant
- (e) None of these

**Directions (59-62): In the following questions, a paragraph is given which is provided with some blanks. These blanks have to be filled by one word from the options provided below. Choose the option which fills all the blanks without inducing any grammatical or contextual error.**

**Q59. Delhi’s most wanted gangster Jitender Mann alias Gogi was \_\_\_\_\_ inside Rohini court complex on Friday afternoon. Two persons who \_\_\_\_\_ Gogi were later shot dead by Delhi Police personnel. When the perpetrators \_\_\_\_\_ him, around 30 members of the Central Reserve Police Force (CRPF) were present in and around the courtroom.**

- (a) curtailed
- (b) resorted
- (c) attacked
- (d) abandoned
- (e) None of these



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**Q60.** The Delhi High Court Friday granted bail to Preet Singh, saying his \_\_\_\_\_ interrogation in the hate speech case is not required any longer. Justice Mukta Gupta directed that the accused be released \_\_\_\_\_ interrogation on bail on a personal bond of ₹50,000 with two sureties of the like amount. "The petitioner has been in custody since 9/10.08.2021. The petitioner is no more required for \_\_\_\_\_ interrogation..." the judge stated.

- (a) perpetual
- (b) custodial
- (c) leverage
- (d) ostentatious
- (e) None of these

**Q61.** Advocate Ashish Sharma, who was on the premises at the time of the gun shot, said there is no \_\_\_\_\_ of people coming to court. "There is no arrangement of \_\_\_\_\_ here. Anyone can come in with a weapon," he said. When asked if advocates would now cooperate with \_\_\_\_\_, the district court lawyers said: "From now on, we will... it should not be a matter of dignity but safety".

- (a) reinforce
- (b) adhering
- (c) intriguing
- (d) frisking
- (e) None of these

**Q62.** The Sri Lanka Deputy High Commission has commenced work on the voluntary \_\_\_\_\_ of Sri Lankan nationals living in the rehabilitation camps of Tamil Nadu. The diplomat said on Friday that the Deputy High Commission was also working on the collection of preliminary data for \_\_\_\_\_. The Deputy High Commission had proposed a "suitable" ferry service or passenger air service, accommodating the cargo in containers, for \_\_\_\_\_.

- (a) indemnification
- (b) repatriation
- (c) immigration
- (d) deportation
- (e) None of these

**Directions (63-67):** In each of the following questions given below are two independent sentences containing five words highlighted in bold. These five words may or may not be in their correct position. The sentences are then followed by options with the correct combination of words that should replace each other in order to make both the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other.

**Q63.** (i) Indian Women put up a highly **committee (A)** performance during the first two **days (B)** of the Day-Night Test match.  
(ii) Mr. Channi **told (C)** presspersons that a coordination **commendable (D)** had been constituted for better **coordination (E)** in the state.

- (a) Only (A) - (B)
- (b) Both (A)-(B) and (C)-(E)
- (c) Only (B) - (C)
- (d) No rearrangement required
- (e) Only (A) - (D)

**Q64.** (i) Manipur Chief Minister N. Biren Singh has **demanded (A)** out any change in leadership in the State **allegedly (B)** of the March 2022 Assembly election.

(ii) Opposition parties on Sunday **ruled (C)** a judicial inquiry into the **incident (D)** where protesting farmers were **ahead (E)** crushed by a vehicle.

- (a) Only (A) - (B)
- (b) Both (A)-(C) and (B)-(E)
- (c) Only (B) - (C)
- (d) No rearrangement required
- (e) Only (A) - (E)

**Q65.** (i) More than 50% voting was **registered (A)** in the municipal **landless (B)** in Gujarat's capital Gandhinagar on Sunday.  
(ii) He was speaking to **reporters (C)** on the sidelines of a government program to **announce (D)** debt waiver for farm laborers and **elections (E)** farmers.

- (a) Only (A) – (B)
- (b) Both (A)-(B) and (C)-(E)
- (c) Only (B) – (E)
- (d) No rearrangement required
- (e) Only (A) – (E)

**Q66.** (i) The Defence Ministry of Taiwan said Beijing had **missile (A)** its record of air **intrusions (B)** for a second straight day.  
(ii) North Korea has **warned (C)** the UN Security Council **against (D)** criticizing the country's isolated **broken (E)** program.

- (a) Only (A) – (B)
- (b) Both (A)-(B) and (C)-(E)
- (c) Only (B) – (C)
- (d) No rearrangement required
- (e) Only (A) – (E)

**Q67.** (i) Women voters **elected (A)** disappointment on Sunday after none were **voiced (B)** in Qatar's first legislative polls.  
(ii) A plea has been **medical (C)** in the Supreme Court seeking a high-level **inquiry (D)** by a commission into the alleged non-supply and non-availability of **filed (E)** oxygen.

- (a) Only (A) – (B)
- (b) Both (A)-(B) and (C)-(E)
- (c) Only (B) – (C)
- (d) No rearrangement required
- (e) Only (A) – (E)

**Directions (68-75):** In the following passage, there are various blanks, each of which has been numbered. These numbers are printed below the passage and against each, five options are given. In the given options, one word is suggested for each option. Find out the appropriate word which can be used to fill in the given blank to make a correct and meaningful sentence.

**Q68.** High \_\_\_\_\_ **(68)** \_\_\_\_\_ to the Gulf region have put thousands of stranded expatriates from Kerala in a spot, \_\_\_\_\_ **(69)** \_\_\_\_\_ them of chances to return to their destinations. Despite several Gulf Cooperation Council (GCC) nations relaxing travel \_\_\_\_\_ **(70)** \_\_\_\_\_ after a fall in COVID-19 cases, airline tickets from Kerala remain expensive. The decision of the Directorate General of Civil Aviation (DGCA) to suspend passenger flights till September 30 has been cited as the reason for the high tariffs. Airfares on international scheduled flights on \_\_\_\_\_ **(71)** \_\_\_\_\_ routes have not cooled off even though India has \_\_\_\_\_ **(72)** \_\_\_\_\_ bilateral air bubbles with selected countries from July 2020.

Many NRIs are forced to buy tickets at \_\_\_\_\_ **(73)** \_\_\_\_\_ prices as their jobs are at stake. The airfare for a one-way trip to the United Arab Emirates (UAE) from Kerala is still above ₹25,000 for economy class. However, the Dubai-based Emirates and the budget airline flydubai will \_\_\_\_\_ **(74)** \_\_\_\_\_ free all-day passes to the Expo 2020 Dubai beginning October 1. The one-way ticket rate to Muscat and Qatar is between ₹40,000 and ₹50,000. Qatar Airways is charging ₹46,000 for the Kozhikode-Doha trip. The fare to cities in Saudi Arabia is still \_\_\_\_\_ **(75)** \_\_\_\_\_ between ₹30,000 and ₹40,000

- (a) resistance
- (b) altitudes
- (c) airfares
- (d) longitude
- (e) leasing

**Q69.** High \_\_\_\_\_ (68) \_\_\_\_\_ to the Gulf region have put thousands of stranded expatriates from Kerala in a spot, \_\_\_\_\_ (69) \_\_\_\_\_ them of chances to return to their destinations. Despite several Gulf Cooperation Council (GCC) nations relaxing travel \_\_\_\_\_ (70) \_\_\_\_\_ after a fall in COVID-19 cases, airline tickets from Kerala remain expensive. The decision of the Directorate General of Civil Aviation (DGCA) to suspend passenger flights till September 30 has been cited as the reason for the high tariffs. Airfares on international scheduled flights on \_\_\_\_\_ (71) \_\_\_\_\_ routes have not cooled off even though India has \_\_\_\_\_ (72) \_\_\_\_\_ bilateral air bubbles with selected countries from July 2020.

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- (a) depriving
- (b) assisting
- (c) segregating
- (d) reinforcing
- (e) concluding

**Q70.** High \_\_\_\_\_ (68) \_\_\_\_\_ to the Gulf region have put thousands of stranded expatriates from Kerala in a spot, \_\_\_\_\_ (69) \_\_\_\_\_ them of chances to return to their destinations. Despite several Gulf Cooperation Council (GCC) nations relaxing travel \_\_\_\_\_ (70) \_\_\_\_\_ after a fall in COVID-19 cases, airline tickets from Kerala remain expensive. The decision of the Directorate General of Civil Aviation (DGCA) to suspend passenger flights till September 30 has been cited as the reason for the high tariffs. Airfares on international scheduled flights on \_\_\_\_\_ (71) \_\_\_\_\_ routes have not cooled off even though India has \_\_\_\_\_ (72) \_\_\_\_\_ bilateral air bubbles with selected countries from July 2020.

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- (a) abolishments
- (b) restrictions
- (c) forfeitures
- (d) convergences
- (e) deserted

**Q71.** High \_\_\_\_\_ (68) \_\_\_\_\_ to the Gulf region have put thousands of stranded expatriates from Kerala in a spot, \_\_\_\_\_ (69) \_\_\_\_\_ them of chances to return to their destinations. Despite several Gulf Cooperation Council (GCC) nations relaxing travel \_\_\_\_\_ (70) \_\_\_\_\_ after a fall in COVID-19 cases, airline tickets from Kerala remain expensive. The decision of the Directorate General of Civil Aviation (DGCA) to suspend passenger flights till September 30 has been cited as the reason for the high tariffs. Airfares on international scheduled flights on \_\_\_\_\_ (71) \_\_\_\_\_ routes have not cooled off even though India has \_\_\_\_\_ (72) \_\_\_\_\_ bilateral air bubbles with selected countries from July 2020.

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- (a) selected
- (b) hampered
- (c) neglected
- (d) diverted
- (e) concluded



**Q72.** High \_\_\_\_\_ (68) \_\_\_\_\_ to the Gulf region have put thousands of stranded expatriates from Kerala in a spot, \_\_\_\_\_ (69) \_\_\_\_\_ them of chances to return to their destinations. Despite several Gulf Cooperation Council (GCC) nations relaxing travel \_\_\_\_\_ (70) \_\_\_\_\_ after a fall in COVID-19 cases, airline tickets from Kerala remain expensive. The decision of the Directorate General of Civil Aviation (DGCA) to suspend passenger flights till September 30 has been cited as the reason for the high tariffs. Airfares on international scheduled flights on \_\_\_\_\_ (71) \_\_\_\_\_ routes have not cooled off even though India has \_\_\_\_\_ (72) \_\_\_\_\_ bilateral air bubbles with selected countries from July 2020.

Many NRIs are forced to buy tickets at \_\_\_\_\_ (73) \_\_\_\_\_ prices as their jobs are at stake. The airfare for a one-way trip to the United Arab Emirates (UAE) from Kerala is still above ₹25,000 for economy class. However, the Dubai-based Emirates and the budget airline flydubai will \_\_\_\_\_ (74) \_\_\_\_\_ free all-day passes to the Expo 2020 Dubai beginning October 1. The one-way ticket rate to Muscat and Qatar is between ₹40,000 and ₹50,000. Qatar Airways is charging ₹46,000 for the Kozhikode-Doha trip. The fare to cities in Saudi Arabia is still \_\_\_\_\_ (75) \_\_\_\_\_ between ₹30,000 and ₹40,000

- (a) withheld
- (b) surrendered
- (c) established
- (d) prosecuted
- (e) protracted

**Q73.** High \_\_\_\_\_ (68) \_\_\_\_\_ to the Gulf region have put thousands of stranded expatriates from Kerala in a spot, \_\_\_\_\_ (69) \_\_\_\_\_ them of chances to return to their destinations. Despite several Gulf Cooperation Council (GCC) nations relaxing travel \_\_\_\_\_ (70) \_\_\_\_\_ after a fall in COVID-19 cases, airline tickets from Kerala remain expensive. The decision of the Directorate General of Civil Aviation (DGCA) to suspend passenger flights till September 30 has been cited as the reason for the high tariffs. Airfares on international scheduled flights on \_\_\_\_\_ (71) \_\_\_\_\_ routes have not cooled off even though India has \_\_\_\_\_ (72) \_\_\_\_\_ bilateral air bubbles with selected countries from July 2020.

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- (a) convenient
- (b) emancipated
- (c) inoculated
- (d) exorbitant
- (e) inflicted

**Q74.** High \_\_\_\_\_ (68) \_\_\_\_\_ to the Gulf region have put thousands of stranded expatriates from Kerala in a spot, \_\_\_\_\_ (69) \_\_\_\_\_ them of chances to return to their destinations. Despite several Gulf Cooperation Council (GCC) nations relaxing travel \_\_\_\_\_ (70) \_\_\_\_\_ after a fall in COVID-19 cases, airline tickets from Kerala remain expensive. The decision of the Directorate General of Civil Aviation (DGCA) to suspend passenger flights till September 30 has been cited as the reason for the high tariffs. Airfares on international scheduled flights on \_\_\_\_\_ (71) \_\_\_\_\_ routes have not cooled off even though India has \_\_\_\_\_ (72) \_\_\_\_\_ bilateral air bubbles with selected countries from July 2020.

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- (a) provide
- (b) rescue
- (c) constrain
- (d) harass
- (e) promote

**Q75.** High \_\_\_\_\_ (68) \_\_\_\_\_ to the Gulf region have put thousands of stranded expatriates from Kerala in a spot, \_\_\_\_\_ (69) \_\_\_\_\_ them of chances to return to their destinations. Despite several Gulf Cooperation Council (GCC) nations relaxing travel \_\_\_\_\_ (70) \_\_\_\_\_ after a fall in COVID-19 cases, airline tickets from Kerala remain expensive. The decision of the Directorate General of Civil Aviation (DGCA) to suspend passenger flights till September 30 has been cited as the reason for the high tariffs. Airfares on international scheduled flights on \_\_\_\_\_ (71) \_\_\_\_\_ routes have not cooled off even though India has \_\_\_\_\_ (72) \_\_\_\_\_ bilateral air bubbles with selected countries from July 2020.

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- (a) lingering
- (b) hovering
- (c) pacifying
- (d) grinding
- (e) enriching

**Directions (76-80):** Select the phrase/connector (STARTERS) from the given two/three options which can be used to form a single sentence from the two sentences given below, implying the same meaning as expressed in the statement sentences.

**Q76. (I) Prime Minister Narendra Modi received a grand welcome from his party leaders and supporters.**

**(II) Prime Minister Narendra Modi landed in Delhi completing his three-day visit to the US.**

**(i) After he landed in Delhi...**

**(ii) Prime Minister Narendra Modi received...**

**(iii) Although he landed in Delhi...**

- (a) Only (i)
- (b) Both (i) and (ii)
- (c) Only (iii)
- (d) Both (i) and (iii)
- (e) All (i) (ii) and (iii)

**Q77. (I) Nadda lauded PM Modi's address at the United Nations General Assembly.**

**(II) Nadda said that PM Modi spoke like a statesman and his speech has made the country proud.**

**(i) Although he addressed the UN...**

**(ii) Connecting his address to the...**

**(iii) Lauding PM Modi's address at the...**

- (a) Only (i)
- (b) Both (i) and (ii)
- (c) Only (iii)
- (d) Both (i) and (iii)
- (e) All (i) (ii) and (iii)

**Q78. (I) Prime Minister Narendra Modi on Sunday urged people to keep following Covid protocol.**

**(II) Prime Minister further stated to ensure that no one is left out of vaccination's circle of safety.**

**(i) Ahead of the festival season, Prime Minister...**

**(ii) Since the Prime Minister urged people to...**

**(iii) Although he stated to ensure that...**

- (a) Only (i)
- (b) Both (i) and (ii)
- (c) Only (iii)
- (d) Both (i) and (iii)
- (e) All (i) (ii) and (iii)

**Q79. (I) The Home Minister stressed that the cooperative movement was more relevant today than ever.**

**(II) The Home Minister said cooperatives can contribute a lot in the development of the country.**

**(i) Since the cooperative movement is...**

**(ii) Stressing that the cooperative movement...**

**(iii) Despite the fact that the movement...**

- (a) Only (i)
- (b) Both (i) and (ii)
- (c) Only (iii)
- (d) Both (i) and (iii)
- (e) All (i) (ii) and (iii)

**Q80. (I) The Taliban in Afghanistan appealed on Sunday for international flights to be resumed.**

**(II) The Taliban also promised full cooperation with airlines by saying that problems at Kabul airport had been resolved.**

**(i) The Taliban in Afghanistan appealed...**

**(ii) As soon as the airlines resumed to...**

**(iii) Promising full cooperation with airlines...**

- (a) Only (i)
- (b) Both (i) and (ii)
- (c) Only (iii)
- (d) Both (i) and (iii)
- (e) All (i) (ii) and (iii)

**Q81. Consider the following statements about the Smart Cities Mission (SCM) launched by the Government of India:**

1. The SCM was launched on 25 June 2015 to develop 100 Smart Cities through a competitive process.

2. The primary objective of the SCM is to promote cities that ensure core infrastructure and a high quality of life for their citizens, along with a clean and sustainable environment.

3. The implementation period for the SCM has been extended to December 2025, and all Smart Cities are expected to complete their projects by this revised deadline.

**Which of the above statements are correct?**

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1, 2, and 3
- (d) 1 and 3 only
- (e) None of the above

**Q82. On January 12, 2024, the Indian Navy conducted a traditional decommissioning ceremony at Port Blair for three of its ships after nearly four decades of service. Which of the following were the names of these decommissioned ships?**

- (a) INS Vikrant, INS Viraat, INS Vikramaditya
- (b) INS Cheetah, INS Guldar, INS Kumbhir
- (c) INS Shivalik, INS Sahyadri, INS Satpura
- (d) INS Arihant, INS Akula, INS Chakra
- (e) INS Sindhughosh, INS Sindhuraj, INS Sindhuvir

**Q83. Raksha Mantri Shri Rajnath Singh, in January 2024, approved a Group (Term) Insurance Scheme for Casual Paid Labourers (CPLs) working with the Border Roads Organisation/General Reserve Engineer Force. What is the insured value provided under this scheme in the event of death to a CPL's family or Next of Kin?**

- (a) Rs 5 lakh
- (b) Rs 10 lakh
- (c) Rs 15 lakh
- (d) Rs 20 lakh
- (e) Rs 25 lakh

**Q84. The Mapping and Exchange of the Good Practices (MEGP) Initiative for Millets Mainstreaming in Asia and Africa, a collaboration between NITI Aayog and the World Food Programme (WFP), was initiated in which year?**

- (a) 2020
- (b) 2021
- (c) 2022
- (d) 2023
- (e) 2024

**Q85. In a significant move to enhance toll collection efficiency on national highways, the National Highway Authority of India (NHAI) mandated the use of FASTag for all vehicles. This decision was part of a broader initiative to streamline toll payments and reduce transit delays. In what year did NHAI make FASTag mandatory across India, marking a pivotal change in the country's approach to highway toll collection?**

- (a) 2014
- (b) 2016
- (c) 2017
- (d) 2019
- (e) 2021

**Q86. In January 2024, the Reserve Bank of India revised the minimum capital requirement for Small Finance Banks (SFBs) to enhance their financial resilience and long-term sustainability. What is the new minimum capital requirement for SFBs, and what additional provision has the RBI made for Payments Banks in this context?**

- (a) Increased to Rs 150 crore; Payments Banks can now offer credit cards
- (b) Increased to Rs 200 crore; Payments Banks are allowed to convert into SFBs
- (c) Increased to Rs 250 crore; Payments Banks can issue small loans
- (d) Increased to Rs 200 crore; Payments Banks can open savings accounts with higher interest rates
- (e) Increased to Rs 300 crore; Payments Banks can engage in foreign exchange transactions

**Q87. In October 2023, a country committed to financing a key initiative in India, known as the 'Hunger Project', with a focus on Uttarakhand. This project emphasizes environmental protection and food security. Which country is funding this important project?**

- (a) Sweden
- (b) Denmark
- (c) Switzerland
- (d) Finland
- (e) Norway

**Q88. The Kuvempu Rashtriya Puraskar 2023, a distinguished national award in Indian literature, was awarded to Shirshendhu Mukhopadhyay in December 2023. This honor is named after a famous literary figure and is bestowed annually to an eminent Indian writer. Mukhopadhyay, known for his significant contributions, predominantly wrote in which language?**

- (a) Hindi
- (b) Telugu
- (c) Malayalam
- (d) Bengali
- (e) Gujarati

**Q89. The Sixth Assembly of the International Solar Alliance (ISA) was held at Bharat Mandapam in New Delhi on October 31, 2023, and was Presided over by R. K. Singh, Union Minister for Power and New & Renewable Energy. How many countries were represented by their ministers at this significant assembly of the International Solar Alliance?**

- (a) 20 countries
- (b) 15 countries
- (c) 10 countries
- (d) 25 countries
- (e) 30 countries



**Q90. Franz Beckenbauer, a legendary figure in the world of football, passed away in January 2024. He achieved the remarkable feat of winning the World Cup both as a player and as a coach. He is popularly known by which nickname, that reflects his commanding presence on the field?**

- (a) Der Bomber
- (b) Der Panzer
- (c) Der Kaiser
- (d) Der Maestro
- (e) Der Führer

**Q91. Ashok Leyland, a prominent Indian original equipment manufacturer, in November 2023, achieved a significant milestone by commencing the delivery of India's first batch of LNG-powered haulage trucks to Mahanagar Gas in Hosur. What is the name of the LNG-powered haulage truck series launched by Ashok Leyland?**

- (a) AVTR 1922
- (b) ALHT 2000
- (c) LION 1800
- (d) VIKAS 1900
- (e) NAVRATNA 1950

**Q92. The 17<sup>th</sup> Pravasi Bharatiya Divas (PBD) Convention, a prominent event organized by the Government of India in partnership with the Madhya Pradesh Government, took place from January 8 to 10, 2023, in Indore. What was the theme of the 17<sup>th</sup> Pravasi Bharatiya Divas Convention?**

- (a) "Uniting Global Indians for a New India"
- (b) "Diaspora: Reliable partners for India's progress in Amrit Kaal"
- (c) "Building a Stronger and Resilient Indian Diaspora"
- (d) "Fostering Global Partnerships for a Progressive India"
- (e) "Indian Diaspora: Connecting Cultures, Consolidating Relations"

**Q93. According to the inclusiveness index published in November 2023 by the Othering and Belonging Institute (OBI) at California University, United States, India has been positioned in the global rankings on the basis of its inclusivity in terms of race, religion, gender, sexual orientation, disability, and the general population. What is India's rank in this inclusiveness index among a total of 129 countries?**

- (a) 105th
- (b) 117th
- (c) 96th
- (d) 125th
- (e) 110th

**Q94. A recent addition to the exploration of Indian cultural heritage is the book "Sanskriti ke Ayaam." This work, which delves into the depths of Indian knowledge, tradition, and culture, is an important contribution to understanding the rich cultural tapestry of India. Identify the author of this insightful book.**

- (a) Devdutt Pattanaik
- (b) Manorama Mishra
- (c) Ruskin Bond
- (d) Anita Desai
- (e) Kiran Desai

**Q95. In an effort to enhance urban governance through data-driven methodologies, the Ministry of Housing and Urban Affairs (MoHUA), on 13th November 2023, introduced a new portal that enables Urban Local Bodies (ULBs) across India to submit key data for comparison, improvement, and peer learning. What is the name of this portal?**

- (a) AAINA Dashboard
- (b) CityNet
- (c) UrbanMetrics
- (d) UrbanVision
- (e) CityDataHub

**Q96. The Reserve Bank of India recently (in December 2023) issued the Master Direction – Reserve Bank of India (Internal Ombudsman for Regulated Entities) Directions, 2023. What is the stipulated time period for the Internal Ombudsman and the regulated entity to communicate the final decision to the complainant from the date of receipt of the complaint?**

- (a) 15 days
- (b) 20 days
- (c) 60 days
- (d) 45 days
- (e) 30 days

**Q97. The Central Government recently (In November 2023) launched a new solar scheme under the Pradhan Mantri Janjati Adivasi Nyaya Abhiyan (PM-JANMAN) for electrification in certain habitations. What does the acronym PVTG, mentioned in the context of this scheme, stand for?**

- (a) Particularly Valuable Tribal Groups
- (b) Primarily Vulnerable Tribal Generations
- (c) Protected Village Tribal Governments
- (d) Primary Village Tribal Gatherings
- (e) Particularly Vulnerable Tribal Groups

**Q98. Dhimsa, a tribal dance form known for its vibrant cultural significance, is predominantly performed by women of the Porja caste. This dance is a traditional expression of a specific Indian state. In which state is the Dhimsa dance primarily performed?**

- (a) Odisha
- (b) Kerala
- (c) West Bengal
- (d) Andhra Pradesh
- (e) Maharashtra

**Q99. The Citizenship (Amendment) Act, 2019, a significant piece of legislation in India, was enacted with specific objectives regarding the grant of citizenship. Which of the following statements correctly describes the purpose of this Act?**

- (a) It aims to grant citizenship to all migrants who entered India before 31.12.2014, regardless of their religion or country of origin.
- (b) It is designed to facilitate citizenship for migrants from Nepal, Bhutan, and Myanmar, who entered India on or before 31.12.2014.
- (c) The Act intends to provide citizenship to migrants from Hindu, Sikh, Buddhist, Jain, Parsi, or Christian communities from Pakistan, Bangladesh, and Afghanistan, who entered India on or before 31.12.2014.
- (d) It exclusively offers citizenship to Hindu migrants from Sri Lanka, Myanmar, and Tibet who entered India before 31.12.2014.
- (e) The Act proposes citizenship for all undocumented migrants living in India as of 31.12.2014.

**Q100. Sweden's Saab, in November 2023, achieved a significant milestone in India's defense sector. This makes Saab the first foreign company to obtain a certain level of Foreign Direct Investment (FDI) in India for defense projects. What is the percentage of FDI that Saab has reportedly secured for defense projects in India?**

- (a) 100%
- (b) 75%
- (c) 50%
- (d) 80%
- (e) 60%

**Q101. In a pioneering initiative to enhance road safety, Punjab Police, in collaboration with MapMyIndia, has (In January 2024) successfully mapped all 784 accident black spots across the state. This significant achievement makes Punjab the first state in India to accomplish such a feat. Through which app are these accident black spots now accessible for public navigation and awareness?**

- (a) Google Maps
- (b) Mappls App
- (c) Waze
- (d) HERE WeGo
- (e) Bing Maps

**Q102. The "World Employment and Social Outlook Trends: 2024" report (released in January 2024), which forecasts a slight increase in the global unemployment rate from 5.1% in 2023 to 5.2% in 2024 and discusses the persistence of working poverty along with widening income inequality, highlights the need for enhanced social justice for a sustainable recovery. Which organization is responsible for releasing this report?**

- (a) International Labour Organization (ILO)
- (b) United Nations Development Programme (UNDP)
- (c) World Bank
- (d) Organisation for Economic Co-operation and Development (OECD)
- (e) The International Organisation of Employers (IOE)

**Q103. Pandit Hariram 'Hari Bhैया' Dwivedi, who passed away in January 2024, was a celebrated figure in the literary world, known for his contributions as a poet, lyricist, and litterateur. In which languages did Pandit Hariram 'Hari Bhैया' Dwivedi predominantly write?**

- (a) Hindi and English
- (b) Hindi and Bhojpuri
- (c) Hindi and Bengali
- (d) Hindi and Marathi
- (e) Hindi and Punjabi

**Q104. Chief Minister Himanta Biswa Sarma, in January 2024, announced a notable initiative aimed at transforming 40 lakh self-help-group (SHG) members into rural micro-entrepreneurs in Assam, encouraging them to become 'lakhpati baidos (elder sister)'. What is the name of this scheme?**

- (a) Assam Mahila Sabalikaran Yojana
- (b) Mukhya Mantri Mahila Udyamita Abhiyan
- (c) Assam Mahila Atmanirbhar Scheme
- (d) Mahila Vikas Nidhi
- (e) Nari Shakti Udyamita Yojana

**Q105. The National Centre for Biological Sciences (NCBS) researchers have recently (In January 2024) published a paper detailing the discovery of a new butterfly species, the Conjoined Silverline (Cigaritis conjuncta), in Bramhagiri Wildlife Sanctuary. In which Indian state is the Bramhagiri Wildlife Sanctuary, the discovery site of this new butterfly species, situated?**

- (a) Kerala
- (b) Goa
- (c) Tamil Nadu
- (d) Maharashtra
- (e) Karnataka

**Q106. In January 2024, ICICI Bank Canada, a fully owned subsidiary of ICICI Bank Limited, unveiled a new mobile banking application designed to simplify the process of sending money from Canada to India. What is the name of this mobile banking app?**

- (a) QuickRemit (Canada)
- (b) InstaTransfer (Canada)
- (c) Canada2India Mobile
- (d) Money2India (Canada)
- (e) TransactEasy (Canada)

**Q107. Denmark, in January 2024, launched an initiative aimed at fostering collaboration between Denmark and India in the field of sustainable energy solutions, with the goal of advancing both nations' shared aspirations for carbon neutrality. This initiative seeks to promote sustainable energy growth in India by creating a supportive ecosystem for collaboration between businesses, government entities, research institutions, and financial stakeholders from both countries. What is the name of this initiative?**

- (a) Nordic Green
- (b) Sustainable Energy India-Denmark
- (c) Green Fuels Alliance India (GFAI)
- (d) Denmark-India Clean Energy
- (e) Eco-Innovation Partnership

**Q108. During the 'Sahyog Kaijin' joint exercise conducted (In January 2024) off the coast of Chennai by the Coast Guards of India and Japan, two ships played a pivotal role in a simulated mission involving the rescue of a crew from a distressed vessel. This exercise aimed at enhancing coordination and response capabilities in real-time emergencies on the Bay of Bengal. Which ships were involved in this critical exercise?**

- (a) ICGS Vikram and JCGS Tsugaru
- (b) ICGS Samudra Paheredar and JCGS Mizuho
- (c) ICGS Shaurya and JCGS Yashima
- (d) ICGS Sankalp and JCGS Shikishima
- (e) ICGS Rajdhvaj and JCGS Echigo

**Q109. The Golden Globe Awards, known for recognizing excellence in film and television, recently (In January 2024) celebrated a grand ceremony at The Beverly Hilton hotel in Beverly Hills, California, US. This ceremony marked a significant milestone in the history of the awards. Which edition of the Golden Globe Awards was this recent ceremony?**

- (a) 75<sup>th</sup>
- (b) 77<sup>th</sup>
- (c) 79<sup>th</sup>
- (d) 81<sup>st</sup>
- (e) 83<sup>rd</sup>

**Q110. Earth's Rotation Day is celebrated annually to commemorate the groundbreaking proof by French physicist Leon Foucault in 1851, which demonstrated that the Earth rotates on its axis. This day underscores the significant contributions to our understanding of planetary motion. On which date is Earth's Rotation Day observed each year?**

- (a) January 8
- (b) January 6
- (c) January 4
- (d) January 10
- (e) January 12

**Q111. The IMD World Digital Competitiveness Ranking, in its seventh year (December 2023), assesses the ability and readiness of economies to utilize digital technologies for economic transformation across various sectors. In the latest report, three countries lead the global rankings due to their advanced digital competitiveness. Identify the correct sequence of the top three countries as per the report.**

- (a) Singapore, Netherlands, USA
- (b) Netherlands, Singapore, USA
- (c) USA, Singapore, Netherlands
- (d) USA, Netherlands, Singapore
- (e) Singapore, USA, Netherlands

**Q112. The NITI Aayog, which stands for National Institution for Transforming India, was established to provide critical policy direction and strategic inputs to the Government of India. This institution replaced the Planning Commission and aims at fostering cooperative federalism through structured support to the states. On which date was the NITI Aayog formed via a resolution of the Union Cabinet?**

- (a) January 1, 2014
- (b) January 1, 2015
- (c) January 1, 2016
- (d) January 1, 2017
- (e) January 1, 2018

**Q113. The PM-DAKSH Yojana is a comprehensive initiative by the government to provide skill training to marginalized groups including SCs, OBCs, EBCs, DNTs, and sanitation workers. The scheme aims to enhance their employability and livelihood opportunities. What does the letter 'H' in DAKSH stand for in this context?**

- (a) Hitgrahi
- (b) Humanity
- (c) Harmony
- (d) Health
- (e) Hifaazat



**Q114. Who is the current Managing Director and Chief Executive Officer of Union Bank of India?**

- (a) Shikha Sharma
- (b) Chanda Kochhar
- (c) A Manimekhalai
- (d) Usha Ananthasubramanian
- (e) Arundhati Bhattacharya

**Q115. In the interim budget for 2024-25, Finance Minister Ms. Nirmala Sitharaman highlighted the achievements of PM-SVANidhi, a micro-credit scheme for street vendors managed by the Housing and Urban Affairs Ministry. According to her announcement, how many street vendors have received credit assistance under this scheme, and how many of them have availed it for the third time?**

- (a) 50 lakh vendors; 1 lakh for the third time
- (b) 60 lakh vendors; 1.5 lakh for the third time
- (c) 90 lakh vendors; 3 lakh for the third time
- (d) 85 lakh vendors; 2.5 lakh for the third time
- (e) 78 lakh vendors; 2.3 lakh for the third time

**Q116. In December 2023, at the 2023 United Nations Climate Change Conference (COP28), India became a member of a pioneering international consortium aimed at accelerating the deployment of advanced energy storage solutions. What is the name of this consortium that India has joined?**

- (a) Global Renewable Energy Consortium
- (b) International Solar Alliance
- (c) Clean Energy Storage Group
- (d) Battery Energy Storage Systems Consortium
- (e) Sustainable Energy for All Initiative

**Q117. The Open Network for Digital Commerce (ONDC), along with partners such as Google Cloud India, Antler in India, Paytm, Protean, and Startup India, has (In December 2023) launched a new initiative focused on addressing the various challenges within digital commerce and fostering innovation in the industry. What is the name of this initiative?**

- (a) Digital India Drive
- (b) E-Commerce Innovators Program
- (c) Startup Revolution Fund
- (d) Build for Bharat
- (e) Tech for Commerce Challenge

**Q118. In a significant move to address climate change, two partnership platforms have been introduced (In December 2023) to expedite methane reduction efforts across various sectors. The first platform is called The Global Methane Reduction Platform for Development (CH4D), and the second is named the Global Flaring and Methane Reduction Partnership (GFMR). Which organization is responsible for launching these platforms?**

- (a) United Nations Environment Programme (UNEP)
- (b) International Renewable Energy Agency (IRENA)
- (c) World Bank
- (d) International Energy Agency (IEA)
- (e) Global Green Growth Institute (GGGI)

**Q119. Union Bank of India, a prominent public sector bank, is enhancing its operational efficiency and customer-centric banking services through a strategic collaboration aimed at designing and developing a scalable and secure enterprise data lake platform. With which company is Union Bank of India collaborating to implement this program (December 2023)?**

- (a) IBM
- (b) Tata Consultancy Services
- (c) Infosys
- (d) Wipro
- (e) Accenture

**Q120. The Virupaksha Temple is recognized as a UNESCO World Heritage Site. In which Indian state is the Virupaksha Temple located?**

- (a) Karnataka
- (b) Tamil Nadu
- (c) Kerala
- (d) Andhra Pradesh
- (e) Telangana

**Directions (121-125): Read the data carefully and answer the following question based on it.**

The data given below shows the monthly income, expenditure and savings of five persons.

Income = Expenditure + Savings

Monthly income of A is 62.5% more than monthly expenditure of C, which is equal to monthly income of D. Monthly expenditure of A, is 50% more that of B. Monthly expenditure of D is equal to difference between monthly expenditure of A and B. Monthly savings of B is 68% of monthly income of B. Ratio of monthly income of C and E is 3: 4. Difference between total monthly income and total monthly expenditure is Rs.65000. Monthly savings of A and D is Rs.14000 and Rs.12000 respectively and monthly expenditure of E is Rs.18000. Monthly savings of B is Rs.5000 more than that of D.

**Q121. Total monthly income of A and C together is what percentage more/less than total monthly expenditure of C and D together.**

- (a) 175%
- (b) 150%
- (c) 125%
- (d)  $133\frac{1}{3}\%$
- (e) 100%

**Q122. Find the difference between the average monthly expenditure of A, C & E and average monthly savings of C, D and E (in Rs.)**

- (a) 4000
- (b) 5000
- (c) 3000
- (d) 6000
- (e) 4500

**Q123. C spends 25% of monthly income on House rent, Rs.5000 on clothing, Rs.4000 on food and Rs.4p on entertainment. Find the interest earned by him after 2 years, if he invests Rs.10p at 15% simple interest per annum.**

- (a) Rs.1200
- (b) Rs.1000
- (c) Rs.1500
- (d) Rs.1250
- (e) Rs.750

**Q124. Find the ratio of monthly income of D and E together and monthly expenditure of B and D together.**

- (a) 4: 1
- (b) 3: 2
- (c) 1: 2
- (d) 2: 3
- (e) 1: 3

**Q125. Next month, income of C increased by 20% while income of E decreased by 12.5% and monthly expenditure of C increases by 10% due to which ratio of savings of C and expenditure of E becomes 7: 11. Find the monthly savings of E is how much increase/decrease.**

- (a) Rs.4500
- (b) Rs.5400
- (c) Rs.2800
- (d) Rs.3600
- (e) None of these

**Directions (126-130):** What approximate value will come in place of question mark (?) in the following questions (You are not expected to calculate the exact value).

**Q126.**  $49.98\% \text{ of } 540.09 - 20.09\% \text{ of } 200.089 = ? - \frac{1}{7} \text{ of } 210.0.2$

- (a) 250
- (b) 220
- (c) 260
- (d) 280
- (e) 290

**Q127.**  $11.08^2 - \sqrt{256.104} + 112.4 \times 5.12 = ?$

- (a) 490
- (b) 520
- (c) 665
- (d) 445
- (e) 330

**Q128.**  $869.99 \div 5.034 - 30.24 \times 5.98 = ?$

- (a) -1
- (b) 2
- (c) -4
- (d) 5
- (e) -6

**Q129.**  $\sqrt[3]{2196.82} + 69.91\% \text{ of } 500 - 29.89 = ?$

- (a) 322
- (b) 333
- (c) 340
- (d) 369
- (e) 390

**Q130.**  $75.124\% \text{ of } 400.42 = ? + 25.12\% \text{ of } 560.2$

- (a) 160
- (b) 172
- (c) 180
- (d) 154
- (e) 168

**Q131.** A shopkeeper has two items' jeans and shirt. Marked price of shirt is 60% more than the marked price of jeans. The shopkeeper sold jeans at 40% discount and shirt at 30% discount. On this transaction he made 20% loss on jeans and 28% profit on shirt. If the total profit of the shopkeeper was Rs.142.5, then find the difference between marked price of jeans to cost price of shirt.

- (a) Rs. 587.5
- (b) Rs. 187.5
- (c) Rs. 267.5
- (d) Rs. 287.5
- (e) Rs. 127.5

**Q132.** Train A travelling at 108 km/hr crosses train B, having length 40 meter more than length of train A and travelling in opposite direction at 90 km/hr in 14 seconds. If the train B crosses a bridge in 24 seconds, then find in how much time train A cross the same bridge?

- (a)  $\frac{46}{3} \text{ sec}$
- (b) 26 sec
- (c)  $\frac{56}{3} \text{ sec}$
- (d) 45 sec
- (e)  $\frac{56}{13} \text{ sec}$

**Q133.** A alone can finish a work in 18 days. Efficiency of B and C are 50% and 80% more than efficiency of A respectively. A and C started a work together and left after completing  $\frac{7}{9}$  part of work and remaining work is completed by B. Find the total no. of days to complete whole work.

- (a)  $4\frac{2}{3} \text{ days}$
- (b)  $7\frac{1}{3} \text{ days}$
- (c)  $7\frac{2}{7} \text{ days}$
- (d)  $7\frac{2}{13} \text{ days}$
- (e)  $7\frac{2}{3} \text{ days}$

**Q134.** Income of P is 10% less than that of Q and Income of R is  $\frac{50}{3}\%$  less than that of P. Average income of P, Q and R is Rs. 10600 and saving of P and Q are equal. If savings of R is Rs. 600 less than that of Q and expenditure of P is 20% more than that of R, then find savings of P is what percent of his income?

- (a)  $31\frac{2}{3}\%$
- (b)  $36\frac{1}{3}\%$
- (c) 35%
- (d)  $27\frac{1}{2}\%$
- (e)  $33\frac{1}{3}\%$

**Q135.** 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 1:2. Find the quantity of wine in vessel A.

- (a) 76 liters
- (b) 13 liters
- (c) 44 liters
- (d) 82 liters
- (e) 61 liters.

**Q136.** 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?

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

**Q137.** A boat took 12 hours less to travel a certain distance in downstream than that in upstream. If speed of a stream is 12 km/h and speed of a boat in still water is  $83\frac{1}{3}\%$  more than speed of stream, then find the total distance travelled by boat.

- (a) 170 km
- (b) 272 km
- (c) 140 km
- (d) 155 km
- (e) 245 km

**Q138.** A, B and C entered into partnership. Amount invested by B is  $\frac{3}{5}$ th of amount invested by C and amount invested by A is half of amount invested by B. After 8 months, all three withdrew Rs. R. If ratio of A's profit share to total profit at the end of year is 1:10, then find profit sharing ratio of B to that of C at the end of year.

- (a) 31:59
- (b) 13:95
- (c) 13:23
- (d) 31:37
- (e) 51:29

**Q139.** There is total 136 students in a class. Number of boys who are present in a class are 52 and Number of boys who are not present in class are 18 less than no. of girls who are not present in the class. If the no. of girls who are present in class are 9.09% more than the no. of girls who are not present in class. Find the difference between total no. of boys who are not present in a class to the total no. of girls in class?

- (a) 52
- (b) 54
- (c) 66
- (d) 48
- (e) 36

**Q140.** Bag-A contains 6 blue balls, 7 red balls and 2 green balls and Bag-B contains 5 blue balls, x red balls and 2 green balls. A bag is chosen randomly and two balls are taken out from it randomly, then the probability of getting two red balls is  $\frac{2}{15}$ . Find number of red balls in Bag-B?

- (a) 2
- (b) 5
- (c) 1
- (d) 4
- (e) 3

**Directions (141-145):** 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.

**Q141.** A alone can do  $66\frac{2}{3}\%$  of work in 16 days and in the same time period B alone can do 40% of the same work. A & C together take 3 days more than A and B together to complete the whole work.

**Quantity I :** Find in how many days C alone will complete the whole work.

**Quantity II:** A positive number is increased by 25%, decrease by 30% and divide by 2. If resultant is multiplied by the original number, then we get 2800. Find original number.

- (a) Quantity I < Quantity II
- (b) Quantity I > Quantity II
- (c) Quantity I  $\geq$  Quantity II
- (d) Quantity I  $\leq$  Quantity II
- (e) Quantity I = Quantity II or no relation

**Q142.** Adarsh is two years older than Ayush and ratio of present age of Adarsh and Sameer is 13 : 15 and. If ratio between age of Ayush & Sameer after three years is 9 : 11.

**Quantity I:** Find the difference between Adarsh age after five years & Sameer's present age (in year)

**Quantity II:** 1 years

- (a) Quantity I < Quantity II
- (b) Quantity I > Quantity II
- (c) Quantity I = Quantity II or no relation
- (d) Quantity I  $\leq$  Quantity II
- (e) Quantity I  $\geq$  Quantity II

**Q143.**

**Quantity I:** If  $7x + \frac{127}{25} = 2x^2 + B = 7 - \frac{13x}{5}$ , what is the value of 125% of B.

**Quantity II:** When digits of the two digits number are reversed, number obtained is 9 less than twice of the original number. Also, the new number obtained is 175% of the original number. Find the sum of the digits of the number.

- (a) Quantity I < Quantity II
- (b) Quantity I > Quantity II
- (c) Quantity I = Quantity II or no relation
- (d) Quantity I  $\leq$  Quantity II
- (e) Quantity I  $\geq$  Quantity II

**Q144. Quantity I:** From numbers 1 to 15 two numbers are selected what is the probability that both the selected no. are even numbers.

**Quantity II:** Veer and Ayush appear for an interview. Probability of Veer's Selection is  $\frac{1}{3}$  and probability of Ayush's selection is  $\frac{1}{5}$ . Then what is the probability that only one them is selected.

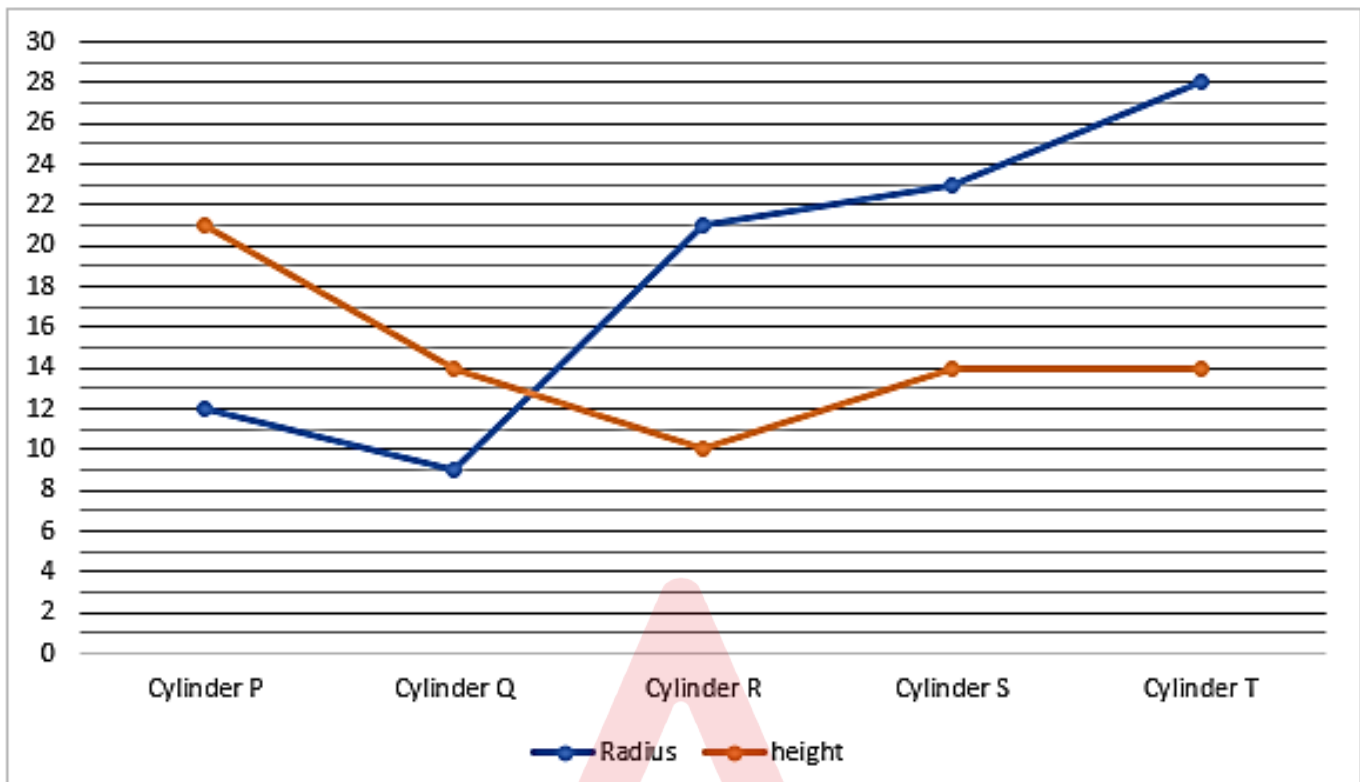
- (a) Quantity I > Quantity II
- (b) Quantity I  $\leq$  Quantity II
- (c) Quantity I = Quantity II or no relation
- (d) Quantity I < Quantity II
- (e) Quantity I  $\geq$  Quantity II

**Q145. Quantity I:** Due to bad weather, a taxi driver reached late at airport by 30 minutes to pick Vijay who had to wait for 75 minutes, who reached early due to increased speed of airplane by 10%. Find the duration of flight.

**Quantity II:** 8 hours 15 minutes

- (a) Quantity I > Quantity II
- (b) Quantity I  $\leq$  Quantity II
- (c) Quantity I  $\geq$  Quantity II
- (d) Quantity I < Quantity II
- (e) Quantity I = Quantity II or no relation

Directions (146-150): Line graph show radius (in cm) and height (in cm) of five different cylinders. Read the data carefully and answer the questions.



Q146. If some cubes having side of 4 cm is filled in cylinder P and cylinder R, then find the difference between number such whole cubes filled in both cylinders (remaining vol. of cylinder are neglect)?

- (a) 91
- (b) 68
- (c) 72
- (d) 40
- (e) None of these

Q147. If cylinder T is 60% filled with water and cylinder S is 50% filled with water, then find the difference between empty volumes of both cylinders ( $\text{cm}^3$ )?

- (a)  $2160.3 \text{ cm}^3$
- (b)  $3120.3 \text{ cm}^3$
- (c)  $1120.1 \text{ cm}^3$
- (d)  $760.1 \text{ cm}^3$
- (e) None of these

Q148. Difference between diameter and height of cylinder Q is what percent of difference between diameter and height of cylinder R?

- (a) 20%
- (b) 32%
- (c) 11%
- (d) 27%
- (e) 12.5%

**Q149.** Find the ratio of curved surface area of cylinder P to that of cylinder T?

- (a) 21: 25
- (b) 9: 2
- (c) 11 :14
- (d) 9 :14
- (e) 16: 15

**Q150.** Find the sum of total surface area of cylinder S and that of cylinder R (in  $\text{cm}^2$ )?

- (a)  $\frac{56088}{7} \text{ cm}^2$
- (b)  $\frac{66088}{7} \text{ cm}^2$
- (c)  $\frac{11540}{7} \text{ cm}^2$
- (d)  $\frac{25350}{7} \text{ cm}^2$
- (e)  $\frac{55610}{7} \text{ cm}^2$

**Q151.** Total surface area of a cylinder is twice the total surface area of a hemisphere. The radius of both hemisphere and cylinder is 'x' cm. If volume of cylinder is  $17248 \text{ cm}^3$ , then find curved surface area of cylinder?

- (a)  $2112 \text{ cm}^2$
- (b)  $2564 \text{ cm}^2$
- (c)  $2544 \text{ cm}^2$
- (d)  $2464 \text{ cm}^2$
- (e)  $2214 \text{ cm}^2$

**Q152.** Equal amounts of Rs. \_\_\_\_ are invested in two schemes A and B for 2 years and 3 years respectively. Scheme A offers interest at the rate of 12% per annum and scheme B offers interest at the rate of 10% p.a. The difference between the interests earned (Compound interest) is Rs.3830.

- (a) 35000
- (b) 50000
- (c) 68000
- (d) 32000
- (e) 25600

**Directions (153-156):** What will come in place of question mark (?) in the following series.

**Q153.** 1089, 1225, 1369, 1521, ?, 1849

- (a) 1671
- (b) 1681
- (c) 1661
- (d) 1651
- (e) 1691

**Q154.** 893, ?, 1091, 1289, 1553, 1883

- (a) 958
- (b) 957
- (c) 959
- (d) 960
- (e) 961



**Q155.** 10, 20, 60, 300, ?, 23100

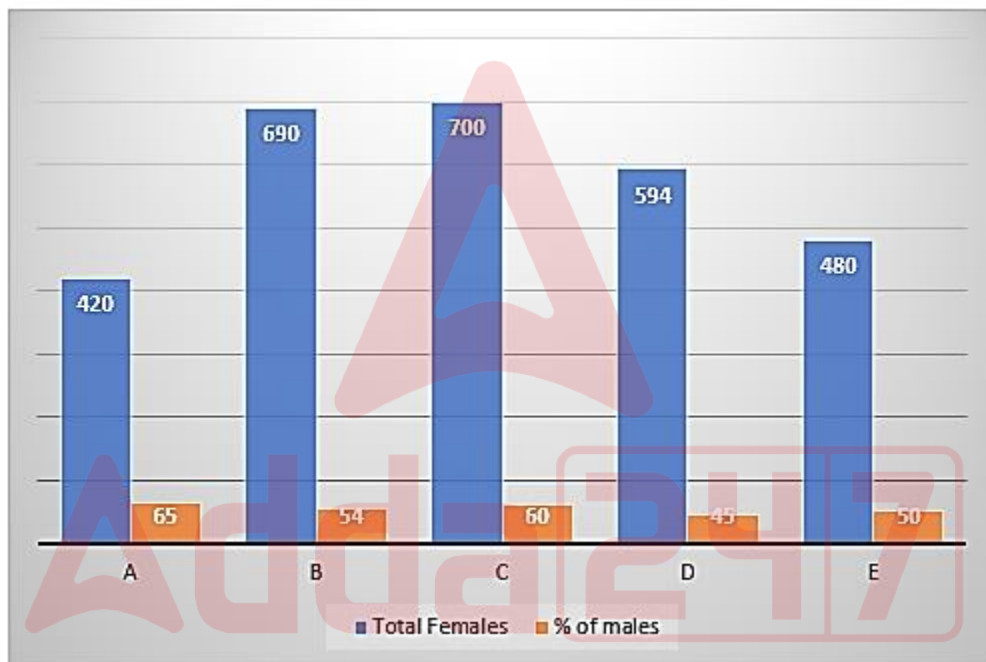
- (a) 2500
- (b) 2300
- (c) 2000
- (d) 2200
- (e) 2100

**Q156.** 2119, ?, 1261, 921, 631, 384, 173

- (a) 1638
- (b) 1668
- (c) 1648
- (d) 1658
- (e) 1678

**Directions (157-160):** Read the data given below carefully and answer the following questions based on it.

The bar graph shows the total no. of female and percentage of male in each given 5 different villages. Table shows the no. of literate population and percentage of literate male out of total male in each village.



Village	Total literate	% Literate male
A	250	15%
B	420	30%
C	650	40%
D	550	50%
E	240	22.5%

**Q157.** Literate male in village C is what percent Illiterate females in village A and B together.

- (a) 45%
- (b) 52.5%
- (c) 67.5%
- (d) 75%
- (e) 40%

**Q158. Total illiterate males in village B and D together are what percent more or less than literate females in village A, B and C together.**

- (a)  $33\frac{1}{3}\%$
- (b)  $66\frac{2}{3}\%$
- (c)  $16\frac{2}{3}\%$
- (d) 50%
- (e) 62.5%

**Q159. Find the ratio of average number of illiterate females from all villages and average no. of literate males from all the villages.**

- (a) 625: 421
- (b) 590: 419
- (c) 635: 377
- (d) 585: 389
- (e) None of these

**Q160. If literate population are either graduated or post graduated, then find the total no. of graduated males in all the villages. Given that difference between graduated and post graduated males in village A, B, C, D and E are 27, 41, 60, 53 and 42 respectively. (Note: Graduated males > post graduated males)**

- (a) 701
- (b) 727
- (c) 639
- (d) 581
- (e) 677

**Q161. Which of the following techniques can be used to store a large number of files in a small amount of storage space?**

- (a) File adjustment
- (b) File copying
- (c) File compatibility
- (d) File compression
- (e) None of the above

**Q162. Which among the following is software application commonly used to prepare a presentation/slide show?**

- (a) Adobe
- (b) Power Point
- (c) Outlook Express
- (d) Internet Explorer
- (e) None of the above

**Q163. Which among the following is a language directly understood by CPU?**

- (a) Machine
- (b) C
- (c) C++
- (d) Java
- (e) None of the above

**Q164. Which of the following cable technologies covert electrical signals into optical signals?**

- (a) Coaxial
- (b) STP
- (c) UTP
- (d) Fiber optic
- (e) None of the above

**Q165. A commonly used graphic format for the Web is \_\_\_\_.**

- (a) GIF
- (b) BMP
- (c) TXT
- (d) LMP
- (e) None of the above

**Q166. What does RDBMS stands for?**

- (a) Relational Database Management System
- (b) Relational Data Management System
- (c) Relational Database Management Software
- (d) Relational Data Management Software
- (e) None of the above

**Q167. Which organization developed MS DOS?**

- (a) Apple
- (b) Microsoft
- (c) Google
- (d) IBM
- (e) None of the above

**Q168. Which among the following term is used for those hardware devices that are not part of the main computer system and are often added later to the system?**

- (a) clip art
- (b) highlight
- (c) execute
- (d) peripheral
- (e) None of the above

**Q169. What is the technology used to read pencil or pen marks on a multiple-choice answer sheet called?**

- (a) OMR
- (b) MICR
- (c) OCR
- (d) CPU
- (e) None of the above

**Q170. What are different views to display a table in MS Access?**

- (a) Pivot Table & Pivot Chart View
- (b) Design View
- (c) Datasheet View
- (d) All of the above
- (e) None of the above

**Q171. SMTP, FTP and DNS are applications/protocols of the \_\_\_\_ layer.**

- (a) Data link
- (b) Network
- (c) Transport
- (d) Application
- (e) None of the above

**Q172. Two or more computers connected to each other for sharing information form a \_\_\_\_.**

- (a) Router
- (b) Server
- (c) Network
- (d) Tunnel
- (e) None of the above



**Q173. What is the sequence of events that occurs in the computer when it is interpreting and executing an instruction known as?**

- (a) Execution cycle
- (b) Instruction cycle
- (c) Working cycle
- (d) Machine cycle
- (e) None of the above

**Q174. What is the base or radix of the Hexadecimal number system?**

- (a) 2
- (b) 8
- (c) 10
- (d) 16
- (e) None of the above

**Q175. Which of the following is a term for the process of trading goods over the Internet?**

- (a) e-selling-n-buying
- (b) e-trading
- (c) e-finance
- (d) e-commerce
- (e) None of the above

**Q176. What does a Bug mean?**

- (a) Logical error in a program
- (b) Syntax error in a program
- (c) Run time error
- (d) Both (a) and (b)
- (e) None of the above

**Q177. Codes consisting of varying widths and spacing of parallel lines, which may be optically read, is known as \_\_\_\_.**

- (a) mnemonic
- (b) Bar code
- (c) Decoder
- (d) All of the above
- (e) None of the above

**Q178. Which of the following is a server that saves Web pages that users have requested so that successive requests for these pages do not require the use of the Internet?**

- (a) dedicated server
- (b) virtual server
- (c) Off-Line Services
- (d) cache server
- (e) None of the above

**Q179. Which of the following is often used in conjunction with phishing in an attempt to steal your information?**

- (a) Zombie
- (b) Computer Worm
- (c) Spoofing
- (d) Rootkit
- (e) None of the above

**Q180. Which of the following device translates sound vibrations in the air into electronic signals?**

- (a) Hub
- (b) Switch
- (c) Microphone
- (d) All of these
- (e) None of the above

**Q181. Internet Explorer and Safari are examples of .....**

- (a) Web pages
- (b) Web browsers
- (c) Web servers
- (d) Web sites
- (e) None of the above

**Q182. Arranging of data in a logical sequence is known as**

- (a) Classifying
- (b) Searching
- (c) Sorting
- (d) Reproducing
- (e) None of the above

**Q183. Which bar is usually located below the Title Bar that provides categorized options?**

- (a) Menu Bar
- (b) Toolbar
- (c) Status bar
- (d) Scroll Bar
- (e) None of the above

**Q184. Example of telecommunication device is a \_\_\_\_\_ .**

- (a) modem
- (b) printer
- (c) keyboard
- (d) scanner
- (e) None of the above

**Q185. What is the maximum zoom percentage in Microsoft PowerPoint?**

- (a) 100%
- (b) 200%
- (c) 400%
- (d) 500%
- (e) None of the above

**Q186. Which of the following is/are file extension(s) in DOS?**

- (a) EXE
- (b) BAT
- (c) COM
- (d) All of these
- (e) None of the above

**Q187. \_\_\_\_\_ is a set of keywords, symbols and a system of rules for constructing statements by which human can communicate the instructions to be executed by a computer.**

- (a) A computer programs
- (b) A programming language
- (c) An assemble
- (d) Syntax
- (e) None of the above

**Q188. The first electronic digital computer contained \_\_\_\_\_?**

- (a) Electronic valves
- (b) Neural Networks
- (c) Fuzzy Logic
- (d) Semiconductor memory
- (e) None of the above

**Q189. The software that is used to create text based documents are referred as**

- (a) DBMS
- (b) Suits
- (c) Spreadsheets
- (d) Word processor
- (e) None of the above

**Q190. Which of the following is web browser?**

- (a) Netscape
- (b) Chrome
- (c) Firefox
- (d) All of the above
- (e) None of the above

**Q191. \_\_\_\_\_ device is a hardware component that allows the user to enter data and instruction into a computer.**

- (a) Input
- (b) Communication
- (c) Output
- (d) Touch
- (e) None of the above

**Q192. Among the following options given below, which one has the lowest storage capacity?**

- (a) Floppy disk
- (b) Data cartridge
- (c) Hard disk
- (d) Zip disk
- (e) None of the above

**Q193. Which one of the following refers to the URL of a web page?**

- (a) abc@gmail.com
- (b) https://www.google.com
- (c) D:\Study\_Notes
- (d) <https://www.news/updates.html>
- (e) None of the above

**Q194. Which of the following devices of the physical layer can be used to extend the area covered by a single LAN segment?**

- (a) Packets and Multilayer switch
- (b) Bluetooth and Transceiver
- (c) Switch and Hub
- (d) Repeater and Hub
- (e) None of the above

**Q195. What is a Bootstrap?**

- (a) A device to support the computer
- (b) A memory device
- (c) A networking device
- (d) A small initialization program to start up the computer
- (e) None of the above

**Q196. Which one of the following is a saved shortcut that directs the web browser to a specific webpage?**

- (a) Cookie
- (b) History
- (c) Cache
- (d) Bookmark
- (e) None of the above

**Q197. Which among the following NOT correctly defines a functional domain name?**

- (a) .net
- (b) .gov
- (c) .edu
- (d) .htl
- (e) None of the above

**Q198. In MS word, what is the blank space outside the printing area on a page called as?**

- (a) Margins
- (b) Clipart
- (c) Header
- (d) Clip board
- (e) None of the above

**Q199. Which of the following is NOT a feature of Spreadsheets?**

- (a) Word wrap
- (b) Split windows
- (c) WordArt
- (d) Sort
- (e) None of the above

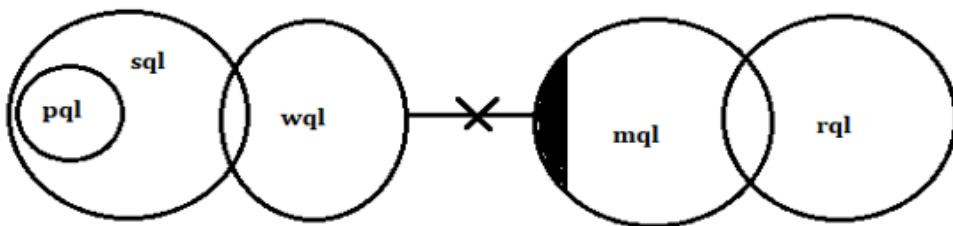
**Q200. \_\_\_\_\_ is a group of protocols working together to allow software or hardware to perform a function.**

- (a) Indicator
- (b) Protocol Architecture
- (c) Protocol stack
- (d) Protocol Suite
- (e) None of the above

## Solutions

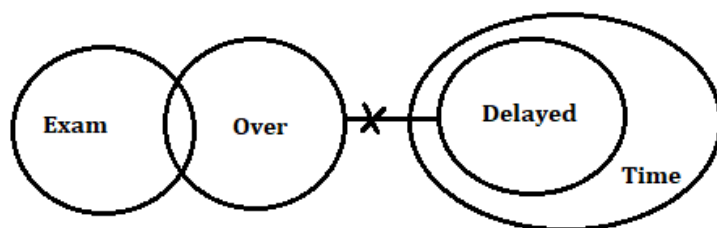
**S1. Ans.(d)**

**Sol.**



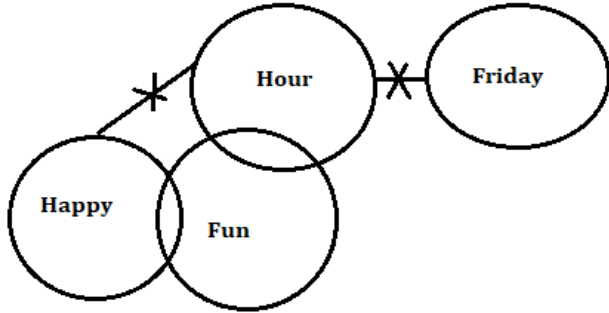
**S2. Ans.(a)**

**Sol.**



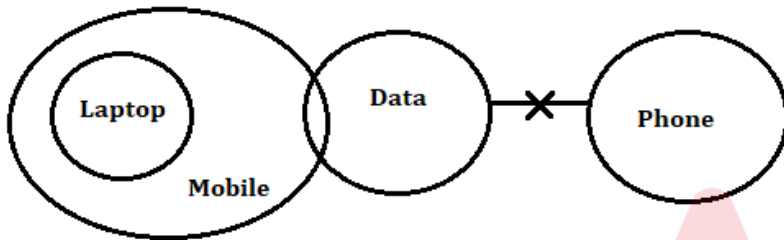
S3. Ans.(b)

Sol.



S4. Ans.(d)

Sol.

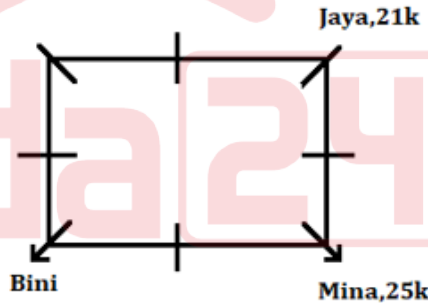
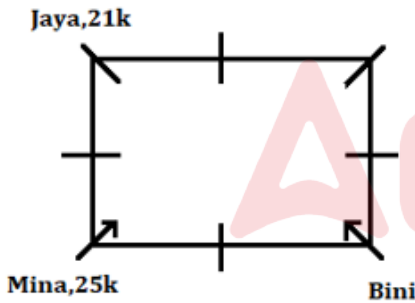


S5. Ans.(a)

Sol. From the given statements, Mina gets 2<sup>nd</sup> lowest salary among all and sits 2<sup>nd</sup> to the left of Bini. Both Bini and Mina face in the same direction. Jaya gets less salary than Mina and sits opposite to Bini but not sit in the middle side of the table. (Mina gets the 2<sup>nd</sup> lowest salary - 25k and Jaya gets less than Mina which means Jaya gets 21k and Mina, Bini and Jaya all of them sit at the corner side of the table). From these conditions we get 2 possibilities I.e., Case 1 and Case 2.

Case 1

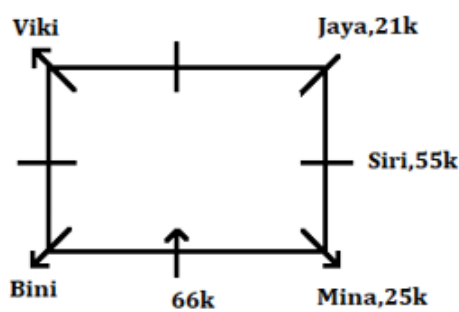
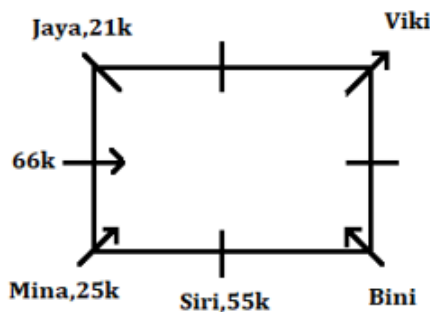
Case 2



Viki faces outside but is not an immediate neighbour of both Bini and Jaya. The one who gets maximum salary sits opposite to the one who sits immediate to the right of Viki. Siri gets the salary which is a multiple of 11 and sits 2<sup>nd</sup> to the right of the one who gets the maximum salary. (Which means Siri gets 55k because the one who gets 66k is another person and only these 2 salaries we know the multiple of 11). From these conditions we get 2 more possibilities i.e., Case 1a and Case 2a.

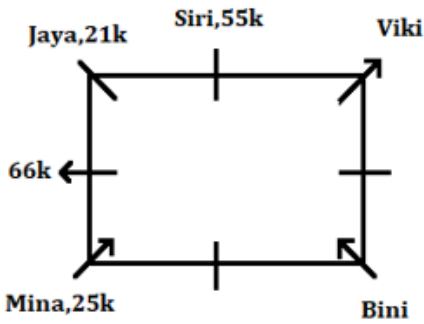
Case 1

Case 2

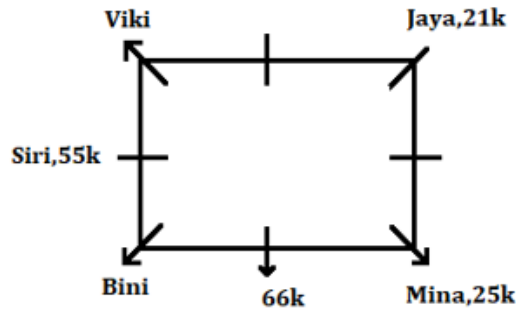




Case 1a

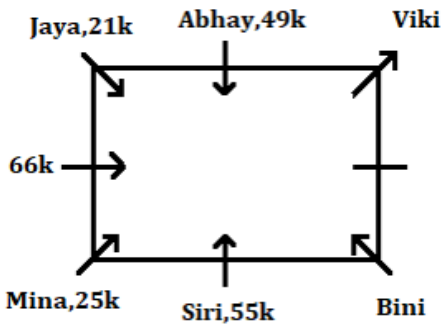


Case 2a

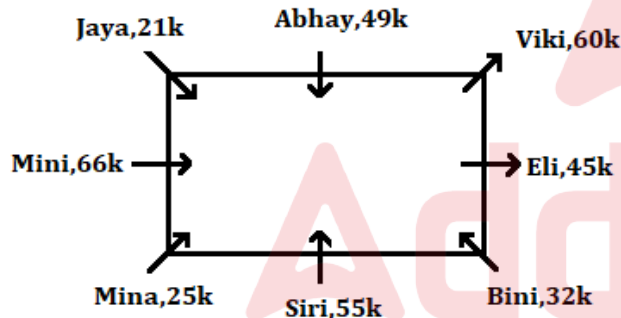


Abhay gets  $\frac{7}{3}$  salary of Jaya and sits immediate left of her. (We know Jaya gets 21k and  $\frac{7}{3}$  of 21k i.e., 49k). From this condition Case 1a is ruled out. Abhay and Siri both face to each other. From this condition Case 2 is ruled out now. The number of persons facing inside is more than the number of persons facing outside. From this condition Case 2a is ruled out now.

Case 1



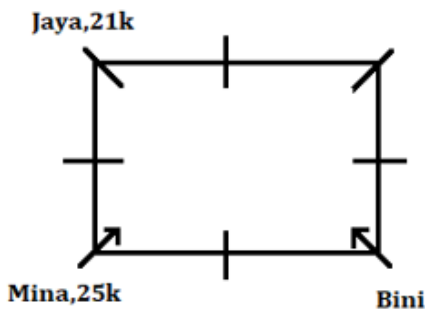
Eli and Jaya face opposite direction to each other. From this condition we get Mini is the person who gets the maximum salary. Eli earns more than Bini but not more than Viki. So, the final arrangement is-



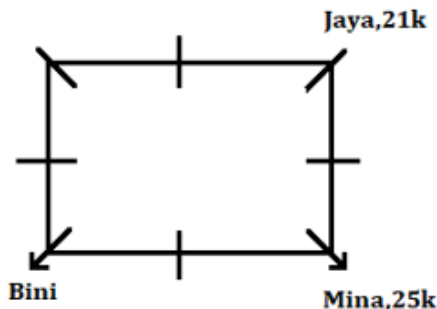
S6. Ans.(e)

Sol. From the given statements, Mina gets 2<sup>nd</sup> lowest salary among all and sits 2<sup>nd</sup> to the left of Bini. Both Bini and Mina face in the same direction. Jaya gets less salary than Mina and sits opposite to Bini but not sit in the middle side of the table. (Mina gets the 2<sup>nd</sup> lowest salary – 25k and Jaya gets less than Mina which means Jaya gets 21k and Mina, Bini and Jaya all of them sit at the corner side of the table). From these conditions we get 2 possibilities I.e., Case 1 and Case 2.

Case 1

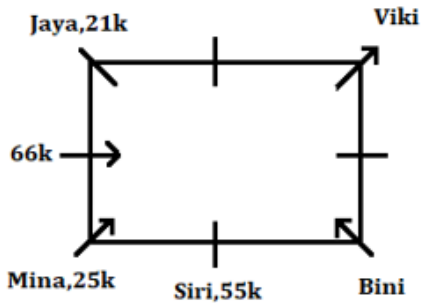


Case 2

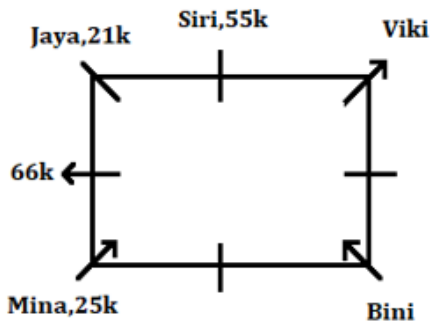


Viki faces outside but is not an immediate neighbour of both Bini and Jaya. The one who gets maximum salary sits opposite to the one who sits immediate to the right of Viki. Siri gets the salary which is a multiple of 11 and sits 2<sup>nd</sup> to the right of the one who gets the maximum salary. (Which means Siri gets 55k because the one who gets 66k is another person and only these 2 salaries we know the multiple of 11). From these conditions we get 2 more possibilities i.e., Case 1a and Case 2a.

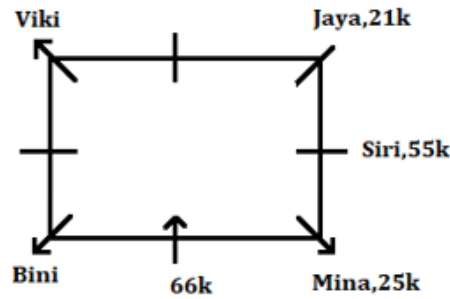
Case 1



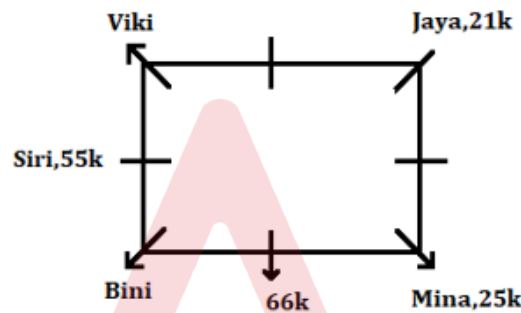
Case 1a



Case 2

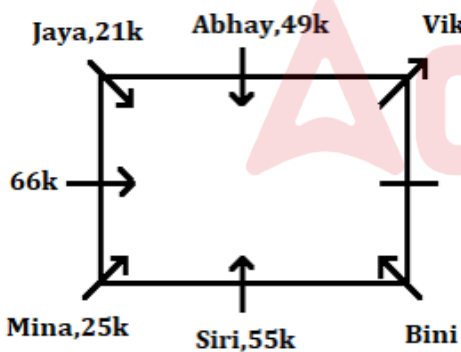


Case 2a

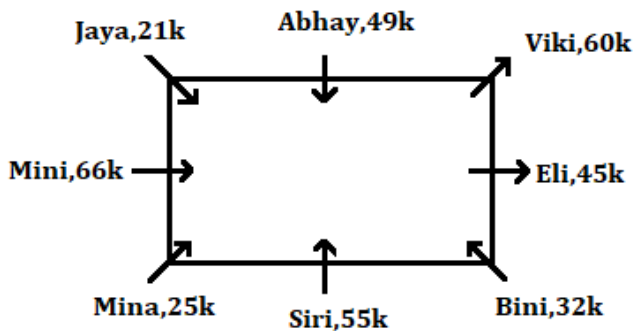


Abhay gets  $\frac{7}{3}$  salary of Jaya and sits immediate left of her. (We know Jaya gets 21k and  $\frac{7}{3}$  of 21k i.e., 49k). From this condition Case 1a is ruled out. Abhay and Siri both face to each other. From this condition Case 2 is ruled out now. The number of persons facing inside is more than the number of persons facing outside. From this condition Case 2a is ruled out now.

Case 1



Eli and Jaya face opposite direction to each other. From this condition we get Mini is the person who gets the maximum salary. Eli earns more than Bini but not more than Viki. So, the final arrangement is-

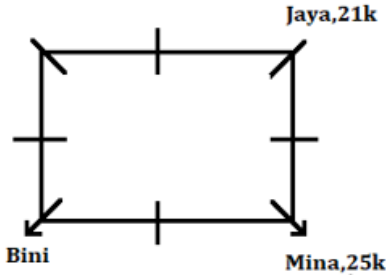
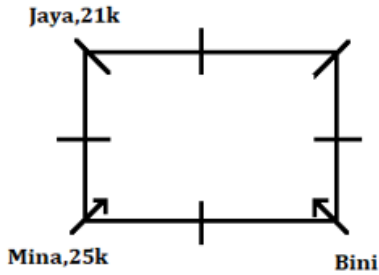


**S7. Ans.(c)**

**Sol.** From the given statements, Mina gets 2<sup>nd</sup> lowest salary among all and sits 2<sup>nd</sup> to the left of Bini. Both Bini and Mina face in the same direction. Jaya gets less salary than Mina and sits opposite to Bini but not sit in the middle side of the table. (Mina gets the 2<sup>nd</sup> lowest salary – 25k and Jaya gets less than Mina which means Jaya gets 21k and Mina, Bini and Jaya all of them sit at the corner side of the table). From these conditions we get 2 possibilities I.e., Case 1 and Case 2.

Case 1

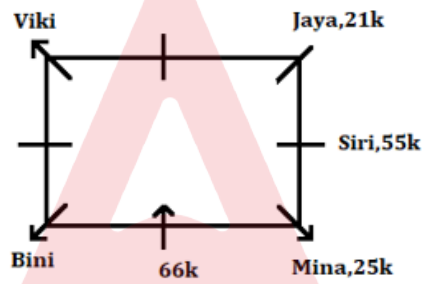
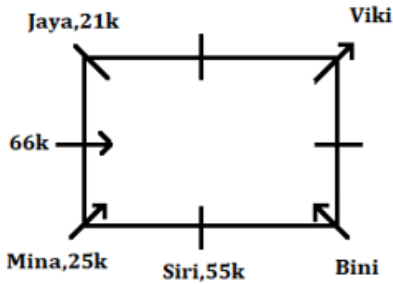
Case 2



Viki faces outside but is not an immediate neighbour of both Bini and Jaya. The one who gets maximum salary sits opposite to the one who sits immediate to the right of Viki. Siri gets the salary which is a multiple of 11 and sits 2<sup>nd</sup> to the right of the one who gets the maximum salary. (Which means Siri gets 55k because the one who gets 66k is another person and only these 2 salaries we know the multiple of 11). From these conditions we get 2 more possibilities i.e., Case 1a and Case 2a.

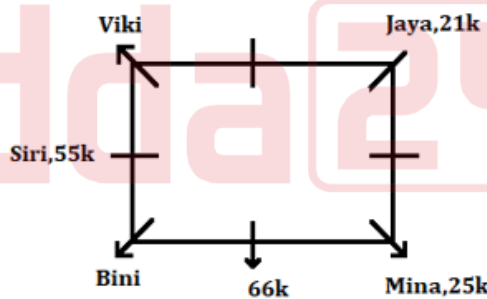
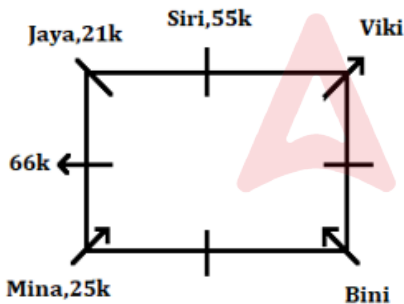
Case 1

Case 2



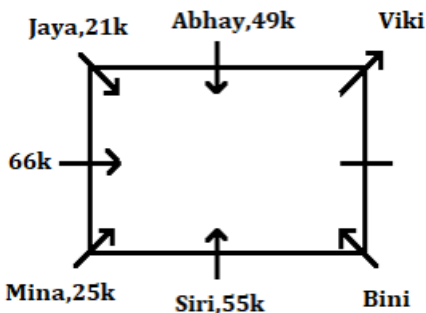
Case 1a

Case 2a

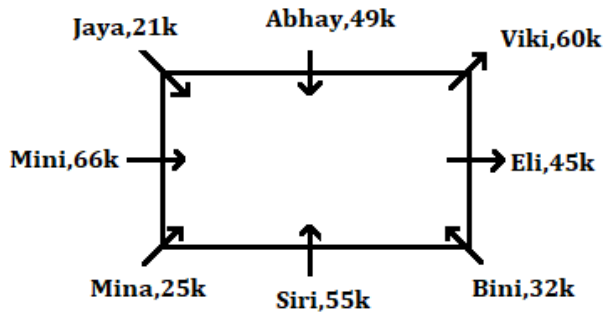


Abhay gets  $\frac{7}{3}$  salary of Jaya and sits immediate left of her. (We know Jaya gets 21k and  $\frac{7}{3}$  of 21k i.e., 49k). From this condition Case 1a is ruled out. Abhay and Siri both face to each other. From this condition Case 2 is ruled out now. The number of persons facing inside is more than the number of persons facing outside. From this condition Case 2a is ruled out now.

Case 1



Eli and Jaya face opposite direction to each other. From this condition we get Mini is the person who gets the maximum salary. Eli earns more than Bini but not more than Viki. So, the final arrangement is-

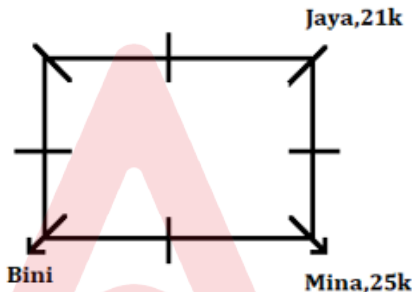
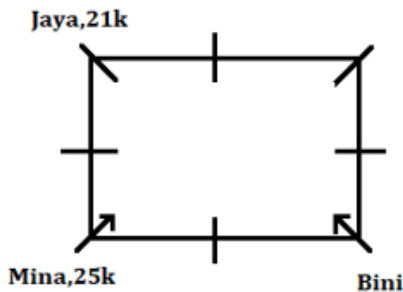


S8. Ans.(e)

Sol. From the given statements, Mina gets 2<sup>nd</sup> lowest salary among all and sits 2<sup>nd</sup> to the left of Bini. Both Bini and Mina face in the same direction. Jaya gets less salary than Mina and sits opposite to Bini but not sit in the middle side of the table. (Mina gets the 2<sup>nd</sup> lowest salary – 25k and Jaya gets less than Mina which means Jaya gets 21k and Mina, Bini and Jaya all of them sit at the corner side of the table). From these conditions we get 2 possibilities i.e., Case 1 and Case 2.

Case 1

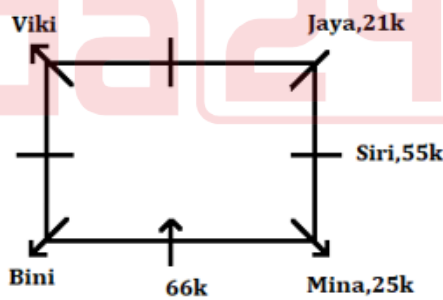
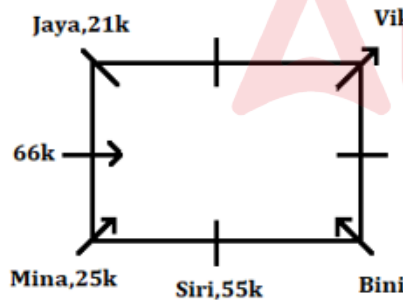
Case 2



Viki faces outside but is not an immediate neighbour of both Bini and Jaya. The one who gets maximum salary sits opposite to the one who sits immediate to the right of Viki. Siri gets the salary which is a multiple of 11 and sits 2<sup>nd</sup> to the right of the one who gets the maximum salary. (Which means Siri gets 55k because the one who gets 66k is another person and only these 2 salaries we know the multiple of 11). From these conditions we get 2 more possibilities i.e., Case 1a and Case 2a.

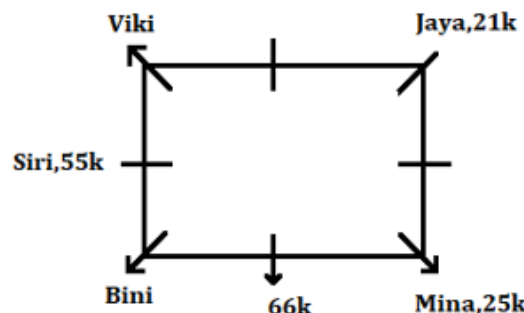
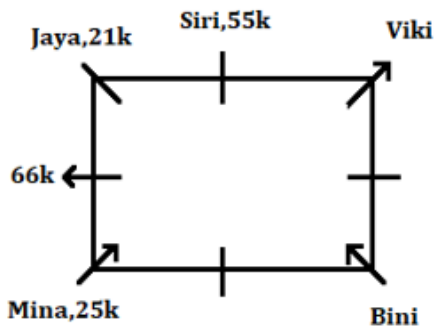
Case 1

Case 2



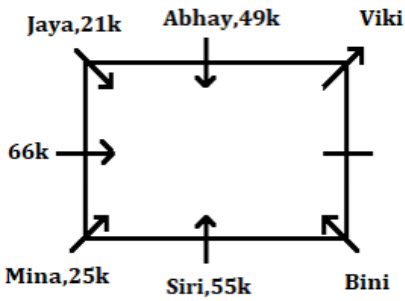
Case 1a

Case 2a

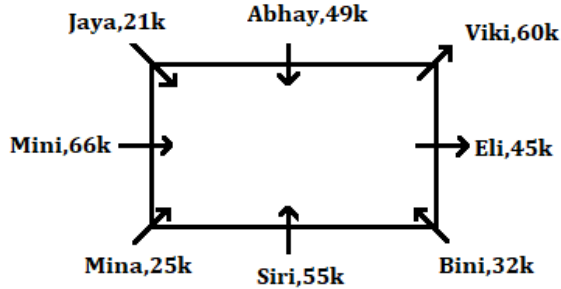


Abhay gets  $\frac{7}{3}$  salary of Jaya and sits immediate left of her. (We know Jaya gets 21k and  $\frac{7}{3}$  of 21k i.e., 49k). From this condition Case 1a is ruled out. Abhay and Siri both face to each other. From this condition Case 2 is ruled out now. The number of persons facing inside is more than the number of persons facing outside. From this condition Case 2a is ruled out now.

Case 1



Eli and Jaya face opposite direction to each other. From this condition we get Mini is the person who gets the maximum salary. Eli earns more than Bini but not more than Viki. So, the final arrangement is-

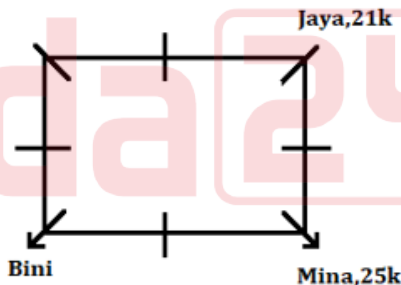
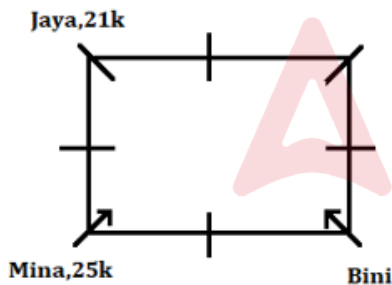


S9. Ans.(a)

Sol. From the given statements, Mina gets 2<sup>nd</sup> lowest salary among all and sits 2<sup>nd</sup> to the left of Bini. Both Bini and Mina face in the same direction. Jaya gets less salary than Mina and sits opposite to Bini but not sit in the middle side of the table. (Mina gets the 2<sup>nd</sup> lowest salary – 25k and Jaya gets less than Mina which means Jaya gets 21k and Mina, Bini and Jaya all of them sit at the corner side of the table). From these conditions we get 2 possibilities i.e., Case 1 and Case 2.

Case 1

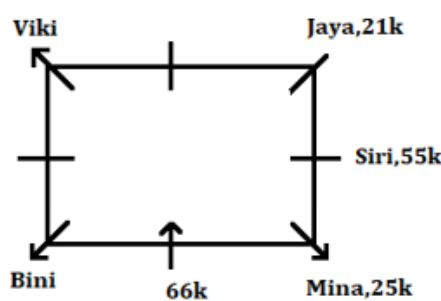
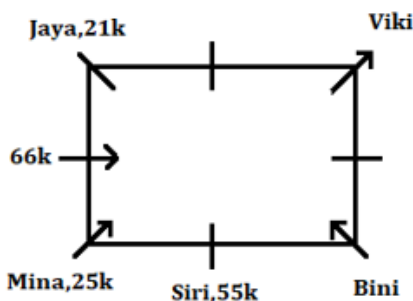
Case 2



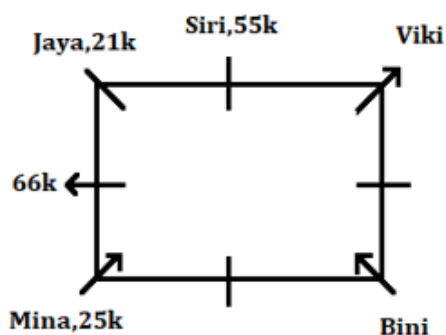
Viki faces outside but is not an immediate neighbour of both Bini and Jaya. The one who gets maximum salary sits opposite to the one who sits immediate to the right of Viki. Siri gets the salary which is a multiple of 11 and sits 2<sup>nd</sup> to the right of the one who gets the maximum salary. (Which means Siri gets 55k because the one who gets 66k is another person and only these 2 salaries we know the multiple of 11). From these conditions we get 2 more possibilities i.e., Case 1a and Case 2a.

Case 1

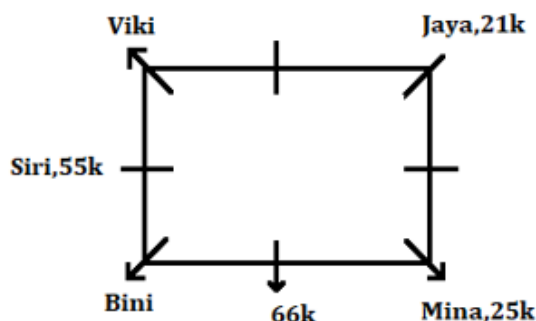
Case 2



Case 1a

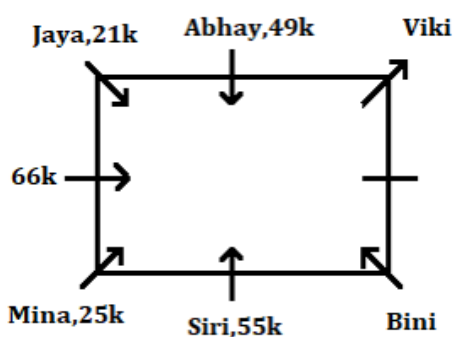


Case 2a

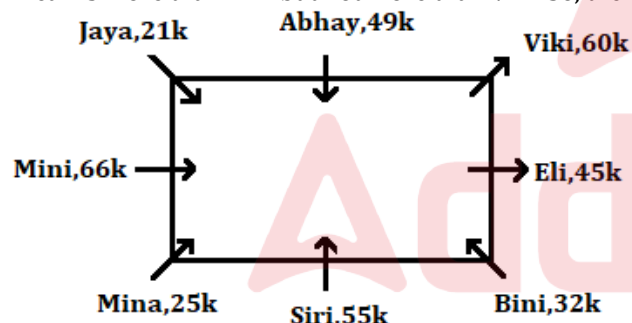


Abhay gets  $\frac{7}{3}$  salary of Jaya and sits immediate left of her. (We know Jaya gets 21k and  $\frac{7}{3}$  of 21k i.e., 49k). From this condition Case 1a is ruled out. Abhay and Siri both face to each other. From this condition Case 2 is ruled out now. The number of persons facing inside is more than the number of persons facing outside. From this condition Case 2a is ruled out now.

Case 1



Eli and Jaya face opposite direction to each other. From this condition we get Mini is the person who gets the maximum salary. Eli earns more than Bini but not more than Viki. So, the final arrangement is-



S10. Ans.(a)

Sol.

I. G @ A (false)    II. Y # E (false)    III. B @ A (true)

S11. Ans.(a)

Sol.

I. T \$ Q (true)    II. P & W (false)    III. X \$ S (true)

S12. Ans.(d)

Sol.

I. A # G (false)    II. P & C (true)    III. E \$ B (true)

S13. Ans.(b)

Sol.

I. 29 \$ 212 (true)    II. 318 & 11 (false)    III. 11 % 318 (false)

**S14. Ans.(d)**

**Sol.** If it is decided to use quack doctor as frontline defence. So, it has been decided by assuming that they will be able to perform efficiently. As cases are rising so decision has been taken to use quack doctors, but it doesn't mean that professional doctors and nurses will be given leave. And in rising cases 50% is from rural population. So, we can't compare this data.

**S15. Ans.(b)**

**Sol.** If any government has taken any decision, they must have thought all the pros and cons. And it is also mentioned case is rising and some of the quack doctors have been given training and be given crash course if needed.

**S16. Ans.(b)**

**Sol.**  
**S(154cm) > P (153cm) > Q (152cm) > V (151cm) > U > R > T**  
 P is second tallest person

**S17. Ans.(d)**

**Sol.**  
**S(154cm) > P (153cm) > Q (152cm) > V (151cm) > U > R > T**  
 T = 148cm; V (151) + T (148) = 299cm

**S18. Ans.(d)**

**Sol.**  
**S(154cm) > P (153cm) > Q (152cm) > V (151cm) > U > R > T**  
 Only S is taller than P

**S19. Ans.(b)**

**Sol.**  
**S(154cm) > P (153cm) > Q (152cm) > V (151cm) > U > R > T**  
 The number of persons between P and U is same as the number of persons between T and V

**S20. Ans.(e)**

**Sol.** From the given statements, more than two persons between E and the one who likes Guava. E neither senior most nor junior most. Here we get 2 possible cases. The number of persons senior to E is same as the number of persons junior to the one who likes Kiwi.

Designations	Case 1		Case 2	
	Persons	Fruits	Persons	Fruits
CMD				Kiwi
MD	E			Guava
CEO				
COO				
SE		Kiwi		
JE		Guava	E	

D is senior to the one who likes Kiwi. Here Case 2 is ruled out now. The number of persons junior to D is same as the number of persons senior to the one who likes Grapes.

Designations	Case 1	
	Persons	Fruits
CMD		
MD	E	
CEO	D/	Grapes/
COO	D/	Grapes/
SE		Kiwi
JE		Guava

A just senior to the one who likes Mango. E does not like Mango. From this condition we get the fixed positions of A and D.

Designations	Case 1	
	Persons	Fruits
CMD		
MD	E	
CEO	A	Grapes
COO	D	Mango
SE		Kiwi
JE		Guava

More than three persons between F and the one who likes Banana. C is senior to B but not like Litchi. So, the final arrangement is-

Designations	Persons	Fruits
CMD	C	Banana
MD	E	Litchi
CEO	A	Grapes
COO	D	Mango
SE	B	Kiwi
JE	F	Guava

F is JE of the company

### S21. Ans.(c)

**Sol.** From the given statements, more than two persons between E and the one who likes Guava. E neither senior most nor junior most. Here we get 2 possible cases. The number of persons senior to E is same as the number of persons junior to the one who likes Kiwi.

Designations	Case 1		Case 2	
	Persons	Fruits	Persons	Fruits
CMD				Kiwi
MD	E			Guava
CEO				
COO				
SE		Kiwi		
JE		Guava	E	

D is senior to the one who likes Kiwi. Here Case 2 is ruled out now. The number of persons junior to D is same as the number of persons senior to the one who likes Grapes.

Designations	Case 1	
	Persons	Fruits
CMD		
MD	E	
CEO	D/	Grapes/
COO	D/	Grapes/
SE		Kiwi
JE		Guava

A just senior to the one who likes Mango. E does not like Mango. From this condition we get the fixed positions of A and D.

Designations	Case 1	
	Persons	Fruits
CMD		
MD	E	
CEO	A	Grapes
COO	D	Mango
SE		Kiwi
JE		Guava

More than three persons between F and the one who likes Banana. C is senior to B but not like Litchi. So, the final arrangement is-



Designations	Persons	Fruits
CMD	C	Banana
MD	E	Litchi
CEO	A	Grapes
COO	D	Mango
SE	B	Kiwi
JE	F	Guava

A likes Grapes

**S22. Ans.(a)**

**Sol.** From the given statements, more than two persons between E and the one who likes Guava. E neither senior most nor junior most. Here we get 2 possible cases. The number of persons senior to E is same as the number of persons junior to the one who likes Kiwi.

Designations	Case 1		Case 2	
	Persons	Fruits	Persons	Fruits
CMD				Kiwi
MD	E			Guava
CEO				
COO				
SE		Kiwi		
JE		Guava	E	

D is senior to the one who likes Kiwi. Here Case 2 is ruled out now. The number of persons junior to D is same as the number of persons senior to the one who likes Grapes.

Designations	Case 1	
	Persons	Fruits
CMD		
MD	E	
CEO	D/	Grapes/
COO	D/	Grapes/
SE		Kiwi
JE		Guava

A just senior to the one who likes Mango. E does not like Mango. From this condition we get the fixed positions of A and D.

Designations	Case 1	
	Persons	Fruits
CMD		
MD	E	
CEO	A	Grapes
COO	D	Mango
SE		Kiwi
JE		Guava

More than three persons between F and the one who likes Banana. C is senior to B but not like Litchi. So, the final arrangement is-

Designations	Persons	Fruits
CMD	C	Banana
MD	E	Litchi
CEO	A	Grapes
COO	D	Mango
SE	B	Kiwi
JE	F	Guava

Only F is junior to B

**S23. Ans.(e)**

**Sol.** From the given statements, more than two persons between E and the one who likes Guava. E neither senior most nor junior most. Here we get 2 possible cases. The number of persons senior to E is same as the number of persons junior to the one who likes Kiwi.

Designations	Case 1		Case 2	
	Persons	Fruits	Persons	Fruits
CMD				Kiwi
MD	E			Guava
CEO				
COO				
SE		Kiwi		
JE		Guava	E	

D is senior to the one who likes Kiwi. Here Case 2 is ruled out now. The number of persons junior to D is same as the number of persons senior to the one who likes Grapes.

Designations	Case 1	
	Persons	Fruits
CMD		
MD	E	
CEO	D/	Grapes/
COO	D/	Grapes/
SE		Kiwi
JE		Guava

A just senior to the one who likes Mango. E does not like Mango. From this condition we get the fixed positions of A and D.

Designations	Case 1	
	Persons	Fruits
CMD		
MD	E	
CEO	A	Grapes
COO	D	Mango
SE		Kiwi
JE		Guava

More than three persons between F and the one who likes Banana. C is senior to B but not like Litchi. So, the final arrangement is-

Designations	Persons	Fruits
CMD	C	Banana
MD	E	Litchi
CEO	A	Grapes
COO	D	Mango
SE	B	Kiwi
JE	F	Guava

CMD likes banana

**S24. Ans.(e)**

**Sol.** First and fourth letter of NICE- N and E

Third letter of RACK- C

First letter of KEPT- K

Meaningful word formed from N, E, C, K is NECK




A

## BANK MAHAPACK

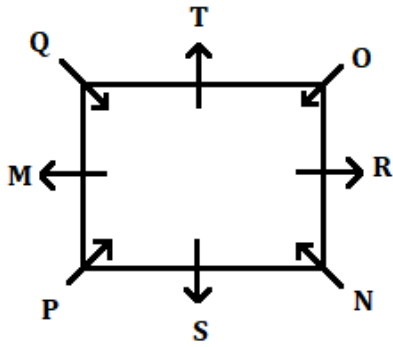
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Selection Ka Saathi

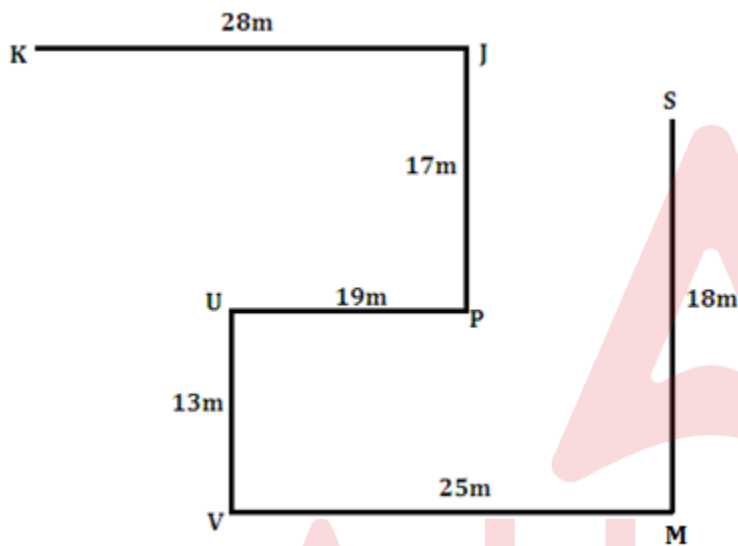
S25. Ans.(b)

Sol. By combining the both I and III we get N sits opposite to Q.



S26. Ans.(b)

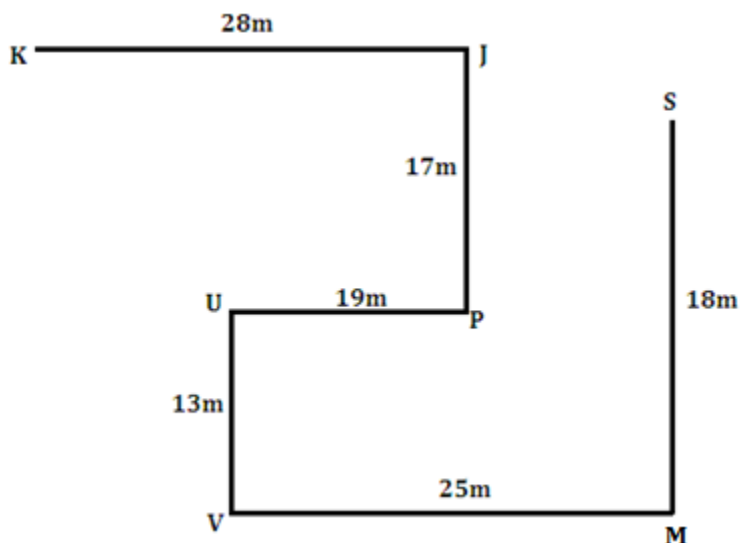
Sol.



Point K is in north west (N.W.) with respect to point M.

S27. Ans.(c)

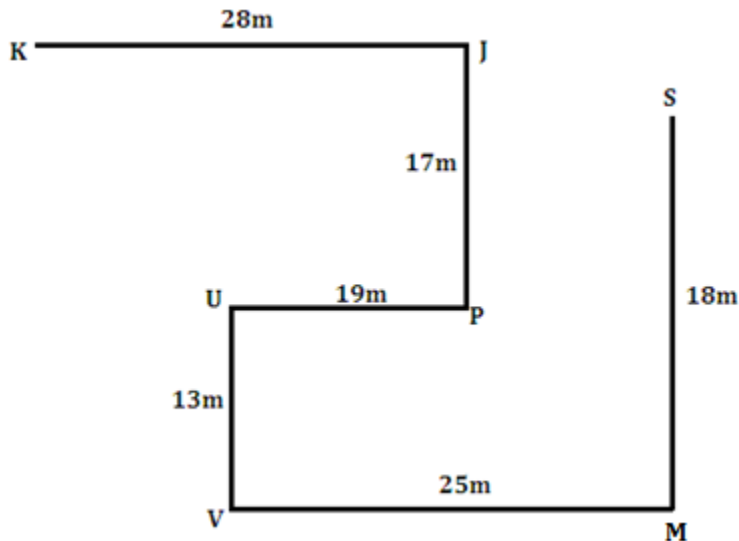
Sol.



$$13m + 25m + 18m = 56m$$

S28. Ans.(e)

Sol.



shortest distance between point V and point P-  $\sqrt{530}$ m

S29. Ans.(c)

Sol. J I \$ R O & 3 M Q G 4 A @ F E ^ 8 L # 9 K U \* S

STEP I- The vowels which are immediately preceded by a consonant and immediately followed by a symbol are rearranged in the end of the series (after S) in English alphabetical order.

J \$ R & 3 M Q G 4 A @ F ^ 8 L # 9 K \* S E I O U

STEP II- The letters which are immediately followed by a symbol is replaced with its opposite letter in the English alphabetical series and placed exactly between G and 4 according to the reverse English alphabetical order. (For ex. If M is that consonant, it will be replaced by N and placed exactly between G and 4).

\$ & 3 M Q G Z U Q P O I 4 @ ^ 8 # 9 \* S E I O U

STEP III- Two is added to the digits which are immediately preceded by a symbol. (Two-digit numbers are considered as single element)

\$ & 5 M Q G Z U Q P O I 4 @ ^ 1 0 # 1 1 \* S I E O U

Two extra elements found in the final step compared to step I

8 becomes 1 and 0, 9 becomes 1, 1

S30. Ans.(b)

Sol. J I \$ R O & 3 M Q G 4 A @ F E ^ 8 L # 9 K U \* S

STEP I- The vowels which are immediately preceded by a consonant and immediately followed by a symbol are rearranged in the end of the series (after S) in English alphabetical order.

J \$ R & 3 M Q G 4 A @ F ^ 8 L # 9 K \* S E I O U

STEP II- The letters which are immediately followed by a symbol is replaced with its opposite letter in the English alphabetical series and placed exactly between G and 4 according to the reverse English alphabetical order. (For ex. If M is that consonant, it will be replaced by N and placed exactly between G and 4).

\$ & 3 M Q G Z U Q P O I 4 @ ^ 8 # 9 \* S E I O U

STEP III- Two is added to the digits which are immediately preceded by a symbol. (Two-digit numbers are considered as single element)

\$ & 5 M Q G Z U Q P O I 4 @ ^ 1 0 # 1 1 \* S I E O U

5 + 1 + 1 + 1 = 8

**S31. Ans.(a)****Sol. J I \$ R O & 3 M Q G 4 A @ F E ^ 8 L # 9 K U \* S**

STEP I- The vowels which are immediately preceded by a consonant and immediately followed by a symbol are rearranged in the end of the series (after S) in English alphabetical order.

**J \$ R & 3 M Q G 4 A @ F ^ 8 L # 9 K \* S E I O U**

STEP II- The letters which are immediately followed by a symbol is replaced with its opposite letter in the English alphabetical series and placed exactly between G and 4 according to the reverse English alphabetical order. (For ex. If M is that consonant, it will be replaced by N and placed exactly between G and 4).

**\$ & 3 M Q G Z U Q P O I 4 @ ^ 8 # 9 \* S E I O U**

STEP III- Two is added to the digits which are immediately preceded by a symbol. (Two-digit numbers are considered as single element)

**\$ & 5 M Q G Z U Q P O I 4 @ ^ 1 0 # 1 1 \* S I E O U****& 5 M****S32. Ans.(e)****Sol. J I \$ R O & 3 M Q G 4 A @ F E ^ 8 L # 9 K U \* S**

STEP I- The vowels which are immediately preceded by a consonant and immediately followed by a symbol are rearranged in the end of the series (after S) in English alphabetical order.

**J \$ R & 3 M Q G 4 A @ F ^ 8 L # 9 K \* S E I O U**

STEP II- The letters which are immediately followed by a symbol is replaced with its opposite letter in the English alphabetical series and placed exactly between G and 4 according to the reverse English alphabetical order. (For ex. If M is that consonant, it will be replaced by N and placed exactly between G and 4).

**\$ & 3 M Q G Z U Q P O I 4 @ ^ 8 # 9 \* S E I O U**

STEP III- Two is added to the digits which are immediately preceded by a symbol. (Two-digit numbers are considered as single element)

**\$ & 5 M Q G Z U Q P O I 4 @ ^ 1 0 # 1 1 \* S I E O U****3 M Q G Z U Q P O I 4 @ ^ 8****S33. Ans.(c)****Sol.** In row-1Odd number is followed by an even number so =  $19+8 = 27$ Odd number is followed by an odd number so =  $27/9 = 3$ 

In row-2

Even number is followed by odd number so =  $24 * 37 = 888$ even number is followed by another even number (but not a perfect cube) so =  $888+12 = 900$ So, the sum of resultant of two rows =  $3 + 900 = 903$ **S34. Ans.(a)****Sol.** In row-1even number is followed by a perfect cube (excluding 1) so =  $26 - 8 = 18$ even number is followed by an odd number so =  $18 * 13 = 234$ 

In row-2

Odd number is followed by an even number so =  $15+14 = 29$ Odd number is followed by another odd number so =  $29/29 = 1$ So, the difference between the resultant of the both rows =  $234-1 = 233$ **S35. Ans.(b)****Sol.** In row-1even number is followed by a perfect cube (excluding 1) so =  $16 - 8 = 8$ even number is followed by another even number (but not a perfect cube) so =  $8 + 22 = 30$ 

In row-2

Odd number is followed by an even number so =  $13+16 = 29$ 

If sum of resultant of both row is 115, therefore

resultant of 2nd row is  $115-30 = 85$ Odd number is followed by an even number so =  $29+56 = 85$ 

So, value of X will be 56

**S36. Ans.(c)****Sol.** In row-1Odd number is followed by an odd number so =  $33/3 = 11$ Odd number is followed by an even number so =  $11+2 = 13$ 

In row-2

Odd number is followed by an even number so= $11+4= 15$ Odd number is followed by an odd number so =  $15/3 = 5$ So, multiplication of resultant of two rows is  $13 \times 5 = 65$ **S37. Ans.(c)****Sol.** Logic:

For vowels: If the number of vowels is-

1 then use \$, 2 then use !, 3 then use @, 4 then use #

For number- Sum of the place value of 1<sup>st</sup> and last letter according to alphabetical series.

For letter- Second succeeding letter of the second letter from the right end according to alphabetical series.

**S38. Ans.(d)****Sol.** Logic:

For vowels: If the number of vowels is-

1 then use \$, 2 then use !, 3 then use @, 4 then use #

For number- Sum of the place value of 1<sup>st</sup> and last letter according to alphabetical series.

For letter- Second succeeding letter of the second letter from the right end according to alphabetical series.

**S39. Ans.(b)****Sol.** Logic:

For vowels: If the number of vowels is-

1 then use \$, 2 then use !, 3 then use @, 4 then use #

For number- Sum of the place value of 1<sup>st</sup> and last letter according to alphabetical series.

For letter- Second succeeding letter of the second letter from the right end according to alphabetical series.

**S40. Ans.(e)****Sol.** Logic:

For vowels: If the number of vowels is-

1 then use \$, 2 then use !, 3 then use @, 4 then use #

For number- Sum of the place value of 1<sup>st</sup> and last letter according to alphabetical series.

For letter- Second succeeding letter of the second letter from the right end according to alphabetical series.

**S41. Ans.(d)**

**Sol.** Refer to the first paragraph, “.....The bad bank will then rope in a separate asset manager being incorporated — the India Debt Resolution Company Ltd. (IDRCL) — to add value to the ailing asset, and resolve it as a ‘going concern’ or liquidate it.” And “The guarantee fee will be increased each year as a nudge for NARCL and the IDRCL to speed up resolution.” Referring to the quoted text we can infer that statement (b) and (c) are incorrect. Hence, option (d) is the most suitable answer choice.

**S42. Ans.(a)**

**Sol.** Among the given options, statement (a) captures the essence of the given passage in the best way as it covers the main idea of the entire passage. The main idea behind the passage is that Guarantees offered by the government in this year’s Budget may be helpful but they are not sufficient to treat the troubles of lenders. Hence, option (a) is the most suitable answer choice.

**S43. Ans.(e)**

**Sol.** Referring to the above passage, we can infer that all of the given statements are correct regarding the operation of NARCL. Hence option (e) is the most suitable answer choice.

**S44. Ans.(c)**

**Sol.** Refer to the first paragraph, “....the National Asset Reconstruction Company Limited (NARCL) will pitch to take over toxic assets worth ₹90,000 crore that banks have already fully provided for.” From this, we can infer that statement (iii) is correct with reference to the passage given above. Hence option (c) is the most suitable answer choice.

**S45. Ans.(e)**

**Sol.** Refer to the last paragraph, " ...That begs the question about the calibre of professionals NARCL and the IDRCL would need to outdo private players. The new entities' ability to get a few good men to deliver more bang for sunk capital would be critical, as would structures to pre-empt a moral hazard that the guarantee poses". From this we can infer that both statements (a) and (b) are correct.

**S46. Ans.(b)**

**Sol.** Among the given set of words, 'Manoeuvre' is the most similar word to 'Gambit'. Gambit refers to an act or remark that is calculated to gain an advantage, especially at the outset of a situation. Manoeuvre refers to a movement that needs care or skill. Hence, option (b) is the most suitable answer choice.

Crooked: not straight or even

openness: the quality of being honest and ready to talk about your feelings

Bungle: to do something badly or fail to do something

Fumble: to try to find or take hold of something with your hands in a nervous or careless way

**S47. Ans.(e)**

**Sol.** Among the given set of words, 'Preclude' is the most opposite word to 'Entail'. Entail refers to make something necessary; to involve something. 'Preclude' refers to making something impossible. Hence, option (e) is the most suitable answer choice.

Precipitate: to make something, especially something bad, happen suddenly or sooner than it should

Necessitate: to make something necessary

Elicit: to manage to get information, facts, a reaction, etc. from somebody

Engender: cause or give rise to (a feeling, situation, or condition).

**S48. Ans.(d)**

**Sol.** All the given statements are correct with reference to the information provided in the given passage. Hence, option (d) is the right answer choice.

Refer to the concluding lines of the third paragraph, "The emergence and re-emergence of new and old diseases and an increase in cases of endemic diseases are partly unavoidable. We cannot prevent every single outbreak but with a well-functioning disease surveillance system and with the application of principles of epidemiology, we can reduce their impact."

**S49. Ans.(b)**

**Sol.** Among the given options, 'substantial' is the most similar to the word- "CONCRETE". Hence, option (b) is the right answer choice. Concrete means to form (something) into a mass; solidify.

(a) superficial- appearing to be true or real only until examined more closely.

(b) substantial- concerning the essentials of something.

(c) fabrication- the action or process of manufacturing or inventing something.

**S50. Ans.(d)**

**Sol.** Among the given options, only (b) and (c) have been mentioned in the given passage. While option (a) is incorrect as the passage talks about coordinated actions between the State government and municipal corporation, not WHO. Hence, option (d) is the right answer choice.

**For option (a):** Refer to the fifth line of the third paragraph, "It is also time to ensure coordinated actions between the State government and municipal corporation to develop joint action plans and assume responsibility for public health and disease surveillance."

**For option (b):** Refer to the second line of the third paragraph, "There has to be a dedicated focus on strengthening the civil registration and vital statistics (CRVS) systems and medical certification of cause of death (MCCD)."

**For option (c):** Refer to the fourth line of the second paragraph, "First, the government resources allocated to preventive and promotive health services and disease surveillance need to be increased by the Union and State governments."

**S51. Ans.(e)**

**Sol.** All of the given statements are correct based on the information provided in the given passage. Hence, option (e) is the right answer choice.

For option (a): Refer to the eighth line of the third paragraph, "The emergence and re-emergence of new and old diseases and an increase in cases of endemic diseases are partly unavoidable."

For option (b): Refer to the eighth line of the second paragraph, "The vacancies of surveillance staff at all levels need to be urgently filled in."

For option (c): Refer to the fifth line of the third paragraph, "Sixth, it is also time to ensure coordinated actions between the State government and municipal corporation to develop joint action plans and assume responsibility for public health and disease surveillance."

**S52. Ans.(b)**

**Sol.** Among the given options, only (II) is correct. While the rest of the statements are not contextual with respect to the question. Hence, option (b) is the right answer choice.

Refer to the starting lines of the first paragraph, *"In a well-functioning disease surveillance system, an increase in cases of any illness would be identified very quickly. An example is Kerala, arguably the best performing disease surveillance system amongst the Indian States, as it is picking the maximum COVID-19 cases; it could pick the first case of the Nipah virus in early September 2021."*

**S53. Ans.(a)**

**Sol.** Among the given options, 'evitable' means 'able to be avoided or prevented' is the most appropriate antonym of the word- "UNAVOIDABLE". Unavoidable means not able to be avoided, prevented or ignored. Hence, option (a) is the right answer choice.

(a) evitable- able to be avoided or prevented; avoidable.

(b) peripheral- relating to or situated on the edge or periphery of something.

(c) jurisdiction- the official power to make legal decisions and judgments.

(d) ascendancy- occupation of a position of dominant power or influence.

**S54. Ans.(a)**

**Sol.** Among the given statements, only option (a) is the most appropriate answer.

Refer to the starting lines of the first paragraph, *"Wild animals are best left in their natural habitat. Even if they suffer physical deficiencies, they should be encouraged to go back to the wild, unless it is a question of their survival, the Madras High Court said on Wednesday."*

**S55. Ans.(e)**

**Sol.** All of the given statements describe the correct meaning of the term habitat fragmentation. Hence, option (e) is the right answer choice.

**S56. Ans.(d)**

**Sol.** Among the given statements, only (a) and (b) are correct. While statement (c) is incorrect. Hence, option (d) is the right answer choice.

Refer to the concluding lines of the last paragraph, *"Human-caused habitat loss and fragmentation are primary drivers of species declines and extinctions. Key examples of human-induced habitat loss include deforestation, agricultural expansion, and urbanization. Habitat destruction and fragmentation can increase the vulnerability of wildlife populations by reducing the space and resources available to them and by increasing the likelihood of conflict with humans. Moreover, destruction and fragmentation create smaller habitats. Smaller habitats support smaller populations, and smaller populations are more likely to go extinct."*

**S57. Ans.(b)**

**Sol.** Among the given words, 'resiliency' is the most appropriate antonym of the given word. Hence, option (b) is the right answer choice. Vulnerability means the quality or state of being exposed to the possibility of being attacked or harmed, either physically or emotionally.

(a) Conducive- making a certain situation or outcome likely or possible.

(b) Resiliency- the capacity to recover quickly from difficulties; toughness.

(c) Encroached- intrude on (a person's territory, rights, personal life, etc.).

(d) Strigger- cause (a device) to function.

**S58. Ans.(c)**

**Sol.** Among the given words, 'incursion' is the most appropriate synonym of the given word. Hence, option (c) is the right answer choice. Forays means a sudden attack or incursion into enemy territory, especially to obtain something; a raid.

(a) Elude- escape from or avoid (a danger, enemy, or pursuer), typically in a skilful or cunning way.

(b) Concile- meeting of people for consultation.

(c) Incursion- an invasion or attack, especially a sudden or brief one.

(d) Tyrant- a cruel and oppressive ruler.

**S59. Ans.(c)**

**Sol.** Grammatically and contextually, "attacked" will fill the blanks correctly. Other options are grammatically wrong. Hence, option (c) is the right answer choice.

(a) curtailed- reduce in extent or quantity; impose a restriction on.

(b) resorted- turn to and adopt so as to resolve a difficult situation.

(c) attacked- take aggressive action with weapons or armed force.

(d) abandoned- having been deserted or left.



**S60. Ans.(b)**

**Sol.** Grammatically and contextually, “custodial” will fill the blanks correctly. Other options are grammatically wrong. Hence, option (b) is the right answer choice.

- (a) perpetual- never ending or changing.
- (b) custodial- relating to keeping people in prison or requiring imprisonment.
- (c) leverage- use (something) to maximum advantage.
- (d) ostentatious- characterized by pretentious or showy display; designed to impress.

**S61. Ans.(d)**

**Sol.** Grammatically and contextually, “frisking” will fill the blanks correctly. Other options are grammatically wrong. Hence, option (d) is the right answer choice.

- (a) reinforce- strengthen or support (an object or substance), especially with additional material.
- (b) adhering- believe in and follow the practices of.
- (c) intriguing- arousing one's curiosity or interest; fascinating.
- (d) frisking- an act of searching someone for concealed weapons or illegal drugs.

**S62. Ans.(b)**

**Sol.** Grammatically and contextually, “repatriation” will fill the blanks correctly. Other options are grammatically wrong. Hence, option (b) is the right answer choice.

- (a) indemnification- compensation for harm or loss.
- (b) repatriation- the return of someone to their own country.
- (c) immigration- the action of coming to live permanently in a foreign country.
- (d) deportation- the action of deporting a foreigner from a country.

**S63. Ans.(e)**

**Sol.** Interchanging the word ‘committee’ with ‘commendable’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (e) is the right answer choice.

**S64. Ans.(b)**

**Sol.** Interchanging the words ‘demanded’ with ‘ruled’ and ‘allegedly’ with ‘ahead’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (b) is the right answer choice.

**S65. Ans.(c)**

**Sol.** Interchanging the word ‘landless’ with ‘elections’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (c) is the right answer choice.

**S66. Ans.(e)**

**Sol.** Interchanging the word ‘missile’ with ‘broken’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (e) is the right answer choice.

**S67. Ans.(b)**

**Sol.** Interchanging the words ‘elected’ with ‘voiced’ and ‘medical’ with ‘filed’ will make both the sentences grammatically correct and contextually meaningful. Hence, option (b) is the right answer choice. **(A)** The Tamil Nadu e-Governance Agency will set up the dashboard for the Chief Minister to monitor the implementation daily.

- (B)** The screen would help to monitor the implementation of the welfare schemes announced by his government.
- (C)** We have addressed the issues facing the banking system in totality that in 2015 was a major challenge for the economy.
- (D)** Chief Minister M.K. Stalin said on Thursday that a screen would be installed in his office at the Secretariat.

**S68. Ans.(c)**

**Sol.** Among the given options, ‘airfares’ is the most suitable word to fill in the blank. Hence, option (c) is the right answer choice.

- (a) resistance- the refusal to accept or comply with something.
- (b) altitudes- the height of an object or point in relation to sea level or ground level.
- (c) airfares- the price to be paid by an aircraft passenger for a particular journey.
- (d) longitude- the angular distance of a place east or west of the Greenwich meridian
- (e) leasing- grant (property) on lease; let.

**S69. Ans.(a)**

**Sol.** Among the given options, 'depriving' is the most suitable word to fill in the blank. Hence, option (a) is the right answer choice.

- (a) depriving- prevent (a person or place) from having or using something.
- (b) assisting- help (someone), typically by doing a share of the work.
- (c) segregating- set apart from the rest or from each other; isolate or divide.
- (d) reinforcing- strengthen or support (an object or substance), especially with additional material.
- (e) concluding- bring or come to an end.

**S70. Ans.(b)**

**Sol.** Among the given options, 'restrictions' is the most suitable word to fill in the blank. Hence, option (b) is the right answer choice.

- (a) abolishments- to end the observance or effect of (something, such as a law)
- (b) restrictions- a limiting condition or measure, especially a legal one.
- (c) forfeitures- the loss or giving up of something as a penalty for wrongdoing.
- (d) convergences- a location where air flows or ocean currents meet,
- (e) deserted- (of a place) empty of people.

**S71. Ans.(a)**

**Sol.** Among the given options, 'selected' is the most suitable word to fill in the blank. Hence, option (a) is the right answer choice.

- (a) selected- carefully chosen as being the best or most suitable.
- (b) hampered- hinder or impede the movement or progress of.
- (c) neglected- not receiving proper attention; disregarded.
- (d) diverted- draw (the attention) of someone from something.
- (e) concluded- arrive at a judgment or opinion by reasoning.

**S72. Ans.(c)**

**Sol.** Among the given options, 'established' is the most suitable word to fill in the blank. Hence, option (c) is the right answer choice.

- (a) withheld- refuse to give (something that is due to or is desired by another).
- (b) surrendered- stop resisting an enemy or opponent and submit to their authority.
- (c) established- having existed or done something for a long time and therefore recognized and generally accepted
- (d) prosecuted- institute or conduct legal proceedings against (a person or organization).
- (e) protracted- lasting for a long time or longer than expected or usual.

**S73. Ans.(d)**

**Sol.** Among the given options, 'exorbitant' is the most suitable word to fill in the blank. Hence, option (d) is the right answer choice.

- (a) convenient- fitting in well with a person's needs, activities, and plans.
- (b) emancipated- free from legal, social, or political restrictions; liberated.
- (c) inoculated- treat with a vaccine to produce immunity against disease; vaccinate.
- (d) exorbitant- (of a price or amount charged) unreasonably high.
- (e) inflicted- cause (something unpleasant or painful) to be suffered by someone or something.

**S74. Ans.(a)**

**Sol.** Among the given options, 'provide' is the most suitable word to fill in the blank. Hence, option (a) is the right answer choice.

- (a) provide- make available for use; supply.
- (b) rescue- save (someone) from a dangerous or difficult situation.
- (c) constrain- compel or force (someone) to follow a particular course of action.
- (d) harass- subject to aggressive pressure or intimidation.
- (e) promote- raise (someone) to a higher position or rank.

**S75. Ans.(b)**

**Sol.** Among the given options, 'hovering' is the most suitable word to fill in the blank. Hence, option (b) is the right answer choice.

- (a) lingering- lasting for a long time or slow to end.
- (b) hovering- remain poised uncertainty in one place or between two states.
- (c) pacifying- quell the anger, agitation, or excitement of.
- (d) grinding- the reduction of something to small particles or powder by crushing it.
- (e) enriching- improve or enhance the quality or value of.

**S76. Ans.(b)**

**Sol.** Among the given options, both (i) and (ii) can be used to form a single sentence. Hence, option (b) is the right answer choice. The sentences thus formed would be;

(i) *"After he landed in Delhi completing his three-day visit to the US, Prime Minister Narendra Modi received a grand welcome from his party leaders and supporters."*

(ii) *"Prime Minister Narendra Modi received a grand welcome from his party leaders and supporters after he landed in Delhi completing his three-day visit to the US."*

**S77. Ans.(c)**

**Sol.** Among the given options, only (iii) can be used to form a single sentence. Hence, option (c) is the right answer choice.

The sentence thus formed would be;

(iii) *"Lauding PM Modi's address at the United Nations General Assembly, Nadda said he spoke like a statesman and his speech has made the country proud."*

**S78. Ans.(a)**

**Sol.** Among the given options, only (i) can be used to form a single sentence. Hence, option (a) is the right answer choice.

The sentence thus formed would be;

(i) *"Ahead of the festival season, Prime Minister Narendra Modi on Sunday urged people to keep following Covid protocol and further stated to ensure that no one is left out of vaccination's circle of safety."*

**S79. Ans.(b)**

**Sol.** Among the given options, both (i) and (ii) can be used to form a single sentence. Hence, option (b) is the right answer choice.

The sentences thus formed would be;

(ii) *"Stressing that the cooperative movement was more relevant today than ever, the Home Minister said cooperatives can contribute a lot in the development of the country."*

(i) *"Since the cooperative movement is more relevant today than ever, the Home Minister said cooperatives can contribute a lot in the development of the country."*

**S80. Ans.(d)**

**Sol.** Among the given options, both (i) and (iii) can be used to form a single sentence. Hence, option (d) is the right answer choice.

The sentences thus formed would be;

(i) *"The Taliban in Afghanistan appealed on Sunday for international flights to be resumed, promising full cooperation with airlines by saying that the problems at Kabul airport had been resolved."*

(iii) *"Promising full cooperation with airlines by saying that problems at Kabul airport had been resolved, the Taliban in Afghanistan appealed on Sunday for international flights to be resumed."*

**S81. Ans.(a)**

**Sol. Statements 1 and 2 are correct.**

**Details:**

- The Smart Cities Mission (SCM) was indeed launched on 25 June 2015, with the aim of developing 100 Smart Cities selected through a series of competitions from January 2016 to June 2018.
- Its primary goal is to foster urban development in a way that provides robust infrastructure, a high quality of life, and a sustainable and clean environment through the application of smart solutions.
- However, Statement 3 is incorrect because the implementation period of the SCM has been extended up to **June 2024**, not December 2025, and all Smart Cities are expected to complete their projects within this stipulated timeframe.

**S82. Ans.(b)**

**Sol.** The ships decommissioned by the Indian Navy on January 12, 2024, are **INS Cheetah, INS Guldar, and INS Kumbhir.**

**Details:**

- These ships served the nation gloriously for nearly four decades and were decommissioned in a traditional ceremony at Port Blair.
- The event marked the end of their active Naval service, with the lowering of the National Flag, the Naval Ensign, and Decommissioning Pennants at sunset.
- This decommissioning signifies a transition in the Indian Navy's fleet as older ships make way for newer vessels.

**S83. Ans.(b)**

**Sol.** The Group (Term) Insurance Scheme approved for Casual Paid Labourers (CPLs) engaged by the Border Roads Organisation/General Reserve Engineer Force provides an insured value of **Rs 10 lakh**.

**Details:**

- This scheme aims to offer financial security to the families or Next of Kin of CPLs in case of any eventuality, reflecting the government's commitment to the welfare of those engaged in critical infrastructure projects.

**S84. Ans.(c)**

**Sol.** The MEGP Initiative, a collaborative effort between NITI Aayog and the World Food Programme (WFP) for the mainstreaming of millets in Asia and Africa, was initiated in **July 2022**.

**Details:**

- This initiative represents a significant step towards promoting sustainable agricultural practices and food security by sharing and mapping best practices in millet cultivation.
- It underscores the commitment of these organizations to fostering agricultural development and knowledge exchange between Asian and African countries.

**S85. Ans.(d)**

**Sol.** FASTag was made mandatory for all vehicles in India in **December 2019** by the National Highway Authority of India (NHAI).

**Details:**

- This decision was a key component of the 'One Vehicle, One FASTag' initiative, which aimed to discourage the use of a single FASTag for multiple vehicles or linking multiple FASTags to one vehicle.
- By implementing FASTag as a mandatory requirement, NHAI sought to modernize the toll collection process, ensuring more efficient, quick, and hassle-free transit on national highways.

**S86. Ans.(b)**

**Sol.** The Reserve Bank of India has increased the minimum capital requirement for Small Finance Banks (SFBs) from **Rs 100 crore to Rs 200 crore**.

**Details:**

- This measure aims to strengthen the financial stability and long-term viability of SFBs.
- Additionally, the RBI has permitted Payments Banks to upgrade as Small Finance Banks, providing a pathway for these entities to expand their services and capabilities.
- This move reflects the RBI's commitment to ensuring a robust and resilient banking sector.

**S87. Ans.(e)**

**Sol.** **Norway** is the country that has pledged financial support for India's 'Hunger Project', a program dedicated to strengthening environmental protection and promoting food security, especially in Uttarakhand.

**Details:**

- With a commitment to fund the project until September 2026 and a budget of ₹44.7 million, Norway's contribution is a significant step in fostering international cooperation for sustainable development and addressing key global challenges.

**S88. Ans.(d)**

**Sol.** Shirshendu Mukhopadhyay, an acclaimed **Bengali writer** and novelist, was chosen for the Kuvempu Rashtriya Puraskar 2023.

**Details:**

- This award is instituted in memory of Kuvempu, a noted Kannada poet and writer, and is conferred to a luminary in Indian literature each year.
- Mukhopadhyay's selection for this prestigious accolade underscores his substantial contributions to Bengali literature, making him a significant literary figure in India.

**S89. Ans.(a)**

**Sol.** The Sixth Assembly of the International Solar Alliance (ISA), a significant event in the field of renewable energy, was hosted in New Delhi and saw **the participation of ministers from 20 different countries**.

**Details:**

- This assembly, which was held at Bharat Mandapam and presided over by R. K. Singh, brought together delegates from 116 Member and Signatory countries.
- The participation of ministers from 20 countries highlights the global commitment and collaborative efforts towards advancing solar energy and its applications, underlining the importance of international cooperation in addressing global energy and environmental challenges.

**S90. Ans.(c)**

**Sol.** Franz Beckenbauer, a luminary in the realm of football, was affectionately known as "**Der Kaiser**."

**Details:**

- Franz Beckenbauer, who won the World Cup both as player and coach and became one of Germany's most beloved personalities with his easygoing charm, has passed away in January 2024.

**S91. Ans.(a)**

**Sol.** Ashok Leyland has initiated the delivery of the **AVTR 1922**, marking India's first batch of LNG-powered haulage trucks.

**Details:**

- This milestone positions Ashok Leyland as the first Indian original equipment manufacturer to develop and introduce an in-house LNG engine that complies with the BS-VI Stage II emission standards.
- The AVTR 1922 series represents a significant advancement in environmentally friendly vehicle technology, aligning with the growing emphasis on sustainable transportation solutions.

**S92. Ans.(b)**

**Sol.** The theme of the 17th Pravasi Bharatiya Divas Convention was "**Diaspora: Reliable Partners for India's Progress in Amrit Kaal**."

**Details:**

- This theme underscores the significant role of the Indian diaspora as a reliable partner in India's developmental journey, especially during the period termed 'Amrit Kaal'—a phase envisioned for accelerated growth and progress.
- The PBD Convention in Indore, held from January 8-10, 2023, provided a vital platform for over 3,500 diaspora members from nearly 70 countries to engage, connect, and interact, thereby reinforcing their ties with India and contributing to its vision for the future.

**S93. Ans.(b)**

**Sol.** In the inclusiveness index published by the Othering and Belonging Institute (OBI) at California University, United States, India was ranked **117<sup>th</sup>** out of 129 countries.

**Details:**

- This ranking is a measure of a country's inclusiveness across various dimensions such as race, religion, gender, sexual orientation, disability, and the general population.
- The index provides a comparative analysis of countries worldwide, highlighting their performance in creating inclusive societies.
- Notably, smaller countries like Bangladesh and Israel were ranked higher than India, at 106th and 115th respectively, indicating the diverse performance of nations in fostering inclusivity.

**S94. Ans.(b)**

**Sol.** "Sanskriti ke Ayaam," authored by **Manorama Mishra**, is a significant literary work that provides an in-depth exploration of Indian culture, traditions, and knowledge systems.

Mishra's book is a valuable resource for anyone interested in the rich cultural heritage of India, offering insights into the complexities and nuances of Indian civilization.

**S95. Ans.(a)**

**Sol.** The Ministry of Housing and Urban Affairs launched the '**AAINA Dashboard for Cities**' portal on 13th November 2023.

**Details:**

- Accessible at [www.aaina.gov.in](http://www.aaina.gov.in), this innovative platform is designed for Urban Local Bodies (ULBs) across the country to voluntarily submit their key data.
- The portal aims to help cities see their standing relative to other cities, identify improvement areas, and learn from leading cities.

**S96. Ans.(e)**

**Sol.** As per the Master Direction – Reserve Bank of India (Internal Ombudsman for Regulated Entities) Directions, 2023, the Internal Ombudsman and the regulated entity are required to ensure that the final decision on a complaint is communicated to the complainant within a period of **30 days** from the date of receipt of the complaint by the regulated entity.

**Details:**

- This direction by the RBI aims to enhance the efficiency and responsiveness of the complaint resolution process within financial institutions, thereby ensuring quicker redressal of grievances and maintaining the integrity of the financial system.

**S97. Ans.(e)**

**Sol.** PVTG stands for '**Particularly Vulnerable Tribal Groups**'.

**Details:**

- This term is used in the Indian context to refer to certain tribal groups that are more vulnerable among the tribal population.
- The new solar scheme launched by the Central Government, as part of the Pradhan Mantri Janjati Adivasi Nyaya Abhiyan (PM-JANMAN), aims at electrifying the habitations and villages of these groups, reflecting the government's focus on enhancing infrastructure and living standards in these areas.

**S98. Ans.(d)**

**Sol.** Dhimsa is a tribal dance form primarily performed **in Andhra Pradesh**, especially by women of the Porja caste.

**Details:**

- This dance is an integral part of the cultural and artistic traditions of the state, reflecting the unique heritage and customs of the local tribal communities.
- Dhimsa is not only a form of artistic expression but also a celebration of the tribal identity and social customs prevalent in Andhra Pradesh.

**S99. Ans.(c)**

**Sol.** The Citizenship (Amendment) Act, 2019, is aimed at facilitating **the grant of citizenship to migrants belonging to the Hindu, Sikh, Buddhist, Jain, Parsi, or Christian communities from Pakistan, Bangladesh, and Afghanistan. These migrants must have entered India on or before the 31st of December, 2014.**

**Details:**

- The Act specifically exempts these individuals from certain provisions of the Passport (Entry into India) Act, of 1920, and the Foreigners Act, of 1946.
- Notified on 12th December 2019, the Citizenship (Amendment) Act came into force on the 10th of January, 2020.
- This Act represents a targeted approach to address the needs of migrants from specific communities and countries, recognizing their unique circumstances.

**S100. Ans.(a)**

**Sol.** Sweden's Saab has reportedly become the first foreign company to receive **100% FDI** in India's defense sector.

**Details:**

- This groundbreaking development allows Saab to establish a new facility in India, dedicated to manufacturing shoulder-fired rockets.
- The full foreign direct investment by Saab reflects the growing confidence in India's defense market and its potential for technological advancement and innovation.

**S101. Ans.(b)**

**Sol.** The **Mappls App** is the platform through which Punjab Police, in collaboration with MapMyIndia, has mapped all 784 accident black spots across the state.

**Details:**

- This initiative marks a significant step towards enhancing road safety and ensuring that Punjab becomes the first state in India to map accident black spots on a navigation system.
- The inclusion of these spots in the Mappls App aims to raise public awareness and help in reducing accidents by alerting drivers to potential hazards on their routes.

**S102. Ans.(a)**

**Sol.** The "World Employment and Social Outlook Trends: 2024" report is released by the **International Labour Organization (ILO)**.

**Details:**

- This report provides an analysis of global labor market trends and projections, including unemployment rates, working poverty, and income inequality.
- It serves as a crucial document for understanding the challenges in achieving social justice and sustainable economic recovery worldwide.

**S103. Ans.(b)**

**Sol.** Pandit Hariram 'Hari Bhaiya' Dwivedi was renowned for his prolific writing **in Hindi and Bhojpuri**.

**Details:**

- His works have significantly contributed to the literary landscapes of both languages, enriching the cultural heritage with his poetry, lyrics, and literature.
- His passing in January 2024 marks a loss to the literary communities that celebrated his profound impact on Hindi and Bhojpuri literature.

**S104. Ans.(b)**

**Sol.** The '**Mukhya Mantri Mahila Udyamita Abhiyan**' is the scheme announced by Assam's Chief Minister Himanta Biswa Sarma, designed to develop 40 lakh self-help-group (SHG) members as rural micro-entrepreneurs, aspiring to make them 'lakhpati baidos (elder sister)'.

**Details:**

- With an estimated investment of Rs 4,000 crore, the scheme underscores the government's commitment to empowering women through entrepreneurship, linking welfare programs to population control measures and promoting economic independence among women in rural areas.

**S105. Ans.(e)**

**Sol.** The Bramhagiri Wildlife Sanctuary, where the new butterfly species Conjoined Silverline (*Cigaritis conjuncta*) was discovered, is located in **Karnataka**.

**Details:**

- This discovery highlights the rich biodiversity of the Western Ghats and emphasizes the importance of ongoing research and conservation efforts in the region.
- The sanctuary, situated in the Kodagu district, is known for its diverse flora and fauna, making it a critical area for biodiversity within the Western Ghats, one of the world's biodiversity hotspots.

**S106. Ans.(d)**

**Sol.** The mobile banking app launched by ICICI Bank Canada is named '**Money2India (Canada)**'.

**Details:**

- This app represents a significant step forward in facilitating easier, faster, and more accessible cross-border transactions, enabling customers from any bank in Canada to send money to any bank in India without the requirement of having an ICICI Bank Canada account.
- This service underscores ICICI Bank's commitment to leveraging technology to enhance banking convenience and customer experience.

**S107. Ans.(c)**

**Sol.** The initiative launched by Denmark to enhance collaborative efforts with India in the sustainable energy sector is called the **Green Fuels Alliance India (GFAI)**.

**Details:**

- The GFAI aims to support sustainable energy development in India by establishing an environment conducive to cooperation among businesses, governmental bodies, research organizations, and financial entities from both the Indian and Danish sectors.
- This initiative underscores the commitment of both nations to achieving carbon neutrality and promoting the adoption of green fuels and sustainable energy solutions.

**S108. Ans.(c)**

**Sol.** The ships that participated in the 'Sahyog Kaijin' joint exercise by the Coast Guards of India and Japan were the **ICGS Shaurya and JCGS Yashima**.

**Details:**

- This exercise, conducted off the coast of Chennai on the Bay of Bengal, included a simulated scenario involving the rescue of crew members from the MT Matsyadristi and MV Anveshika following a simulated collision, fire onboard the MT Matsyadristi, and a crude oil slick.

**S109. Ans.(d)**

**Sol.** The recent ceremony of the Golden Globe Awards held at The Beverly Hilton Hotel in Beverly Hills, California, US, was the **81st edition**.

**Details:**

- This event continues the tradition of honoring outstanding achievements in the film and television industry, bringing together a global audience to celebrate the art of storytelling and performance.

**S110. Ans.(a)**

**Sol.** Earth's Rotation Day is observed every year on **January 8**.

**Details:**

- This day celebrates the anniversary of French physicist Leon Foucault's 1851 demonstration that the Earth rotates on its axis, marking a pivotal moment in the history of astronomy and enhancing our comprehension of Earth's dynamics and its place in the universe.

**S111. Ans.(d)**

**Sol.** The latest IMD World Digital Competitiveness Ranking places the **USA at the top, followed by the Netherlands and then Singapore.**

**Details:**

- This sequence underscores the leading positions of these economies in harnessing digital technologies for economic transformation, showcasing their capacity and readiness in integrating digital advancements within business, government, and society at large.
- Now in its seventh year, the IMD World Digital Competitiveness Ranking, produced by the IMD World Competitiveness Center, measures the capacity and readiness of 64 economies to adopt and explore digital technologies as a key driver for economic transformation in business, government and wider society.

**S112. Ans.(b)**

**Sol.** NITI Aayog was formed **on January 1, 2015**, through a resolution of the Union Cabinet.

**Details:**

- It was established to serve as the premier policy 'Think Tank' of the Government of India, providing both directional and policy inputs.
- The institution is designed to enhance the involvement of Indian states in the economic policy-making process using a bottom-up approach, marking a significant shift from the Planning Commission's approach to planning and development.

**S113. Ans.(a)**

**Sol.** In the PM-DAKSH (**Pradhan Mantri Dakshta Aur Kushalta Sampann Hitgrahi**) Yojana, the letter 'H' stands for '**Hitgrahi**'.

**Details:**

- This term translates to beneficiaries in English, indicating the focus of the scheme on skilling marginalized persons such as SCs, OBCs, EBCs, DNTs, and sanitation workers, including waste pickers.
- The initiative is designed to empower these groups by enhancing their skills, thus improving their employability and ability to secure better livelihoods.

**S114. Ans.(c)**

**Sol.** **A Manimekhalai** holds the position of Managing Director and Chief Executive Officer at Union Bank of India.

**S115. Ans.(e)**

**Sol.** According to Ms. Sitharaman's announcement in the interim budget 2024-25, PM-SVANidhi, the micro-credit scheme for street vendors run by the Housing and Urban Affairs Ministry, has successfully **provided credit assistance to 78 lakh street vendors.**

Out of these, **2.3 lakh vendors have received credit for the third time**, showcasing the scheme's effectiveness in supporting the financial needs of street vendors and promoting their business sustainability.

**S116. Ans.(d)**

**Sol.** The consortium that India joined at the 2023 United Nations Climate Change Conference (COP28) is the **Battery Energy Storage Systems (BESS) Consortium.**

**Details:**

- This initiative, spearheaded by The Global Leadership Council of the Global Energy Alliance for People and Planet, aims to promote the deployment of battery energy storage systems globally, with India committing as one of the first-mover countries to help secure 5 gigawatts of BESS commitments by the end of 2024.

**S117. Ans.(d)**

**Sol.** The initiative launched by the Open Network for Digital Commerce (ONDC) in collaboration with Google Cloud India, Antler in India, Paytm, Protean, and Startup India is called '**Build for Bharat**'.

**Details:**

- This initiative aims to tackle the diverse challenges in digital commerce, promoting industry innovation to develop practical solutions that can enhance the digital commerce space, thereby making it more inclusive and efficient for users across the country.





**S118. Ans.(c)**

**Sol.** The **World Bank** is the organization behind the launch of the two partnership platforms for accelerated methane action: The Global Methane Reduction Platform for Development (CH4D) and the Global Flaring and Methane Reduction Partnership (GFMR).

**Details:**

- These initiatives are part of a broader effort to mitigate climate change by addressing methane emissions in critical sectors such as agriculture, waste, and the oil and gas industry, highlighting the World Bank's commitment to environmental sustainability and reduction of greenhouse gas emissions.

**S119. Ans.(e)**

**Sol.** Union Bank of India has partnered with **Accenture** to design and develop a scalable and secure enterprise data lake platform, equipped with advanced analytics and reporting capabilities.

**Details:**

- This collaboration is geared towards enhancing the bank's operational efficiency, enriching customer service, and improving risk management, marking a significant step forward in leveraging technology to meet the evolving needs of the banking sector.

**S120. Ans.(a)**

**Sol.** The Virupaksha Temple is located in **Karnataka, India**, specifically in Hampi within the Vijayanagara district.

**Details:**

- This temple stands as a testament to the architectural and cultural grandeur of the Vijayanagara Empire and is celebrated as a UNESCO World Heritage Site, attracting visitors from around the world to admire its historic and religious significance.

**S121. Ans.(b)**

**Sol.**

Let monthly expenditure of C be  $8x$ .

Monthly income of A =  $13x$

Monthly income of D =  $8x$

Let monthly expenditure of B be  $2y$ .

Monthly expenditure of A =  $3y$

Monthly expenditure of D =  $3y - 2y = y$

Monthly savings of A =  $13x - 3y = 14000$

Monthly savings of D =  $8x - y = 12000$

From above equations

$x = 2000, y = 4000$

Monthly savings of B =  $12000 + 5000 = \text{Rs } 17000$

Monthly income of B =  $17000 \times \frac{100}{68} = \text{Rs } 25000$

So, total monthly expenditure =  $\text{Rs } 58000$

Total monthly income =  $58000 + 65000 = \text{Rs } 123000$

Monthly income of C =  $(123000 - 26000 - 25000 - 16000) \times \frac{3}{7} = \text{Rs } 24000$

Monthly income of E =  $24000 \times \frac{4}{3} = \text{Rs } 32000$

Monthly savings of C =  $24000 - 16000 = \text{Rs } 8000$

Monthly savings of E =  $32000 - 18000 = \text{Rs } 14000$

Required percentage =  $\frac{(26000+24000)-(16000+4000)}{16000+4000} \times 100$

= 150%

**S122. Ans.(a)**

**Sol.**

Let monthly expenditure of C be  $8x$ .

Monthly income of A =  $13x$

Monthly income of D =  $8x$

Let monthly expenditure of B be  $2y$ .

Monthly expenditure of A =  $3y$

Monthly expenditure of D =  $3y - 2y = y$

$$\text{Monthly savings of A} = 13x - 3y = 14000$$

$$\text{Monthly savings of D} = 8x - y = 12000$$

From above equations

$$x = 2000, y = 4000$$

$$\text{Monthly savings of B} = 12000 + 5000 = \text{Rs } 17000$$

$$\text{Monthly income of B} = 17000 \times \frac{100}{68} = \text{Rs } 25000$$

$$\text{So, total monthly expenditure} = \text{Rs. } 58000$$

$$\text{Total monthly income} = 58000 + 65000 = \text{Rs. } 123000$$

$$\text{Monthly income of C} = (123000 - 26000 - 25000 - 16000) \times \frac{3}{7} = \text{Rs. } 24000$$

$$\text{Monthly income of E} = 24000 \times \frac{4}{3} = \text{Rs } 32000$$

$$\text{Monthly savings of C} = 24000 - 16000 = \text{Rs } 8000$$

$$\text{Monthly savings of E} = 32000 - 18000 = \text{Rs } 14000$$

$$\text{Average monthly expenditure of A, C and E} = \frac{1}{3} \times (12000 + 16000 + 18000) = \frac{46000}{3}$$

$$\text{Average monthly savings of C, D and E} = \frac{1}{3} \times (8000 + 12000 + 14000) = \frac{34000}{3}$$

$$\text{Required difference} = \frac{46000 - 34000}{3} = \text{Rs } 4000$$

**S123. Ans.(e)**

**Sol.**

Let monthly expenditure of C be  $8x$ .

$$\text{Monthly income of A} = 13x$$

$$\text{Monthly income of D} = 8x$$

Let monthly expenditure of B be  $2y$ .

$$\text{Monthly expenditure of A} = 3y$$

$$\text{Monthly expenditure of D} = 3y - 2y = y$$

$$\text{Monthly savings of A} = 13x - 3y = 14000$$

$$\text{Monthly savings of D} = 8x - y = 12000$$

From above equations

$$x = 2000, y = 4000$$

$$\text{Monthly savings of B} = 12000 + 5000 = \text{Rs } 17000$$

$$\text{Monthly income of B} = 17000 \times \frac{100}{68} = \text{Rs } 25000$$

$$\text{So, total monthly expenditure} = \text{Rs. } 58000$$

$$\text{Total monthly income} = 58000 + 65000 = \text{Rs. } 123000$$

$$\text{Monthly income of C} = (123000 - 26000 - 25000 - 16000) \times \frac{3}{7} = \text{Rs. } 24000$$

$$\text{Monthly income of E} = 24000 \times \frac{4}{3} = \text{Rs } 32000$$

$$\text{Monthly savings of C} = 24000 - 16000 = \text{Rs } 8000$$

$$\text{Monthly savings of E} = 32000 - 18000 = \text{Rs } 14000$$

$$\begin{aligned} \text{Expenditure of entertainment} &= 16000 - 24000 \times \frac{25}{100} - 5000 - 4000 \\ &= 4p = 1000 \end{aligned}$$

$$\text{Amount invested} = 10p = \frac{1000}{4} \times 10 = 2500$$

$$\text{So, required amount} = \frac{2500 \times 15 \times 2}{100} = \text{Rs. } 750$$

**S124. Ans.(a)**

**Sol.**

Let monthly expenditure of C be  $8x$ .

$$\text{Monthly income of A} = 13x$$

$$\text{Monthly income of D} = 8x$$

Let monthly expenditure of B be  $2y$ .

Monthly expenditure of A =  $3y$

Monthly expenditure of D =  $3y - 2y = y$

Monthly savings of A =  $13x - 3y = 14000$

Monthly savings of D =  $8x - y = 12000$

From above equations

$$x = 2000, y = 4000$$

Monthly savings of B =  $12000 + 5000 = \text{Rs } 17000$

Monthly income of B =  $17000 \times \frac{100}{68} = \text{Rs } 25000$

So, total monthly expenditure =  $\text{Rs. } 58000$

Total monthly income =  $58000 + 65000 = \text{Rs. } 123000$

Monthly income of C =  $(123000 - 26000 - 25000 - 16000) \times \frac{3}{7} = \text{Rs. } 24000$

Monthly income of E =  $24000 \times \frac{4}{3} = \text{Rs } 32000$

Monthly savings of C =  $24000 - 16000 = \text{Rs } 8000$

Monthly savings of E =  $32000 - 18000 = \text{Rs } 14000$

$$\begin{aligned} \text{Required ratio} &= \frac{16000+32000}{8000+4000} \\ &= \frac{48000}{12000} = \frac{4}{1} \end{aligned}$$

S125. Ans.(d)

Sol.

Let monthly expenditure of C be  $8x$ .

Monthly income of A =  $13x$

Monthly income of D =  $8x$

Let monthly expenditure of B be  $2y$ .

Monthly expenditure of A =  $3y$

Monthly expenditure of D =  $3y - 2y = y$

Monthly savings of A =  $13x - 3y = 14000$

Monthly savings of D =  $8x - y = 12000$

From above equations

$$x = 2000, y = 4000$$

Monthly savings of B =  $12000 + 5000 = \text{Rs } 17000$

Monthly income of B =  $17000 \times \frac{100}{68} = \text{Rs } 25000$

So, total monthly expenditure =  $\text{Rs. } 58000$

Total monthly income =  $58000 + 65000 = \text{Rs. } 123000$

Monthly income of C =  $(123000 - 26000 - 25000 - 16000) \times \frac{3}{7} = \text{Rs. } 24000$

Monthly income of E =  $24000 \times \frac{4}{3} = \text{Rs } 32000$

Monthly savings of C =  $24000 - 16000 = \text{Rs } 8000$

Monthly savings of E =  $32000 - 18000 = \text{Rs } 14000$

Monthly income of C =  $24000 \times \frac{6}{5} = \text{Rs } 28800$

Monthly expenditure of C =  $16000 \times 1.1 = \text{Rs } 17600$

Monthly savings of C =  $28800 - 17600 = \text{Rs } 11200$

Monthly income of E =  $32000 \times \frac{7}{8} = \text{Rs } 28000$

Monthly expenditure of E =  $11200 \times \frac{11}{7} = \text{Rs } 17600$

Monthly savings of E =  $28000 - 17600 = \text{Rs } 10400$

So, required difference =  $14000 - 10400 = \text{Rs } 3600$

S126. Ans.(c)

Sol.

$$50\% \text{ of } 540 - 20\% \text{ of } 200 = ? - \frac{1}{7} \text{ of } 210$$

$$270 - 40 = ? - 30$$

$$260 = ?$$

S127. Ans.(c)

Sol.

$$11^2 - \sqrt{256} + 112 \times 5 = ?$$

$$121 - 16 + 560 = ?$$

$$665 = ?$$

S128. Ans.(e)

Sol.

$$870 \div 5 - 30 \times 6 = ?$$

$$174 - 180 = ?$$

$$-6 = ?$$

S129. Ans.(b)

Sol.

$$\sqrt[3]{2197} + 70\% \text{ of } 500 - 30 = ?$$

$$13 + 350 - 30 = ?$$

$$333 = ?$$

S130. Ans.(a)

Sol.

$$75\% \text{ of } 400 = ? + 25\% \text{ of } 560$$

$$300 = ? + 140$$

$$160 = ?$$

S131. Ans.(b)

Sol.

Let the marked price of jeans = Rs.  $100x$

And marked price of shirt =  $100x \times \frac{160}{100} = \text{Rs. } 160x$

Selling price of jeans =  $100x \times \frac{60}{100} = \text{Rs. } 60x$

Selling price of shirt =  $160 \times \frac{70}{100} = \text{Rs. } 112x$

Cost price of jeans =  $60x \times \frac{100}{80} = \text{Rs. } 75x$

Cost price of shirt =  $112x \times \frac{100}{128} = \text{Rs. } 87.5$

Total profit =  $(112x - 87.5x) + (60x - 75x) = 142.5$

$$24.5x - 15x = 142.5$$

$$9.5x = 142.5$$

$$x = 15$$

Req. difference =  $100 \times 15 - 87.5 \times 15 = \text{Rs. } 187.5$

**S132. Ans.(c)****Sol.**Let the length of train A =  $x$  meterAnd length of train B =  $(x + 40)$  meter

ATQ.

$$\frac{x + x + 40}{(108 + 90) \times \frac{5}{18}} = 14$$

$$2x + 40 = 14 \times 55$$

$$2x = 770 - 40$$

$$x = \frac{730}{2}$$

$$x = 365 \text{ meter}$$

So, length of train B =  $(365 + 40) = 405$  meterLet length of bridge =  $Y$  meter

$$\frac{405 + Y}{90 \times \frac{5}{18}} = 24$$

$$405 + y = 24 \times 25$$

$$y = 600 - 405 = 195 \text{ meter}$$

Let time take by train A to crosses bridge =  $T$  sec

$$\frac{195 + 365}{T} = 108 \times \frac{5}{18}$$

$$\frac{560}{T} = 30$$

$$T = \frac{56}{3} \text{ sec}$$

**S133. Ans.(e)****Sol.**Let the efficiency of A =  $10x$ 

$$\text{So, efficiency of B} = 10x \times \frac{150}{100} = 15x$$

$$\text{efficiency of C} = 10x \times \frac{180}{100} = 18x$$

$$\text{total work} = 10x \times 18 = 180x \text{ unit}$$

No. of days taken by A & C to complete  $\frac{7}{9}$  part of the work

$$\frac{(180x \times \frac{7}{9})}{10x + 18x} = 5 \text{ days}$$

$$\text{B completes remaining work in} = \frac{180x \times \frac{2}{9}}{15x} = \frac{8}{3} \text{ days} = 2\frac{2}{3} \text{ days}$$

$$\text{So, total no. of days to complete whole work} = 5 + 2\frac{2}{3} = 7\frac{2}{3} \text{ days}$$

**S134. Ans.(e)****Sol.**Let income of Q =  $10x$ 

$$\text{So, income of P} = 10 \times \frac{90}{100} = 9x$$

$$\text{Then income of R} = 9x \times \left(100 - \frac{50}{3}\right) \times \frac{1}{100} = \text{Rs } 7.5x$$

ATQ

$$\frac{9x + 10x + 7.5x}{3} = 10600$$

$$x = 1200$$

So, income of P, Q and R is Rs.10800, Rs.12000 and Rs.9000 respectively.

Let savings of P be Rs  $y$ So, saving of Q = Rs  $y$ Saving of R = Rs  $(y-600)$

ATQ

$$10800 - y = 1.2 \times (9000 - y + 600)$$

$$y = 3600$$

$$\text{Required percentage} = \frac{3600}{10800} \times 100 = 33\frac{1}{3}\%$$

**S135. Ans.(b)**

**Sol.**

Vessel A

Let the quantity of wine in vessel A be  $Y$  liters

And quantity of water in vessel A be  $(55 - Y)$  liters

Vessel B

$$\text{Quantity of wine in vessel B} = 80 \times \frac{2}{5} = 32 \text{ liters}$$

$$\text{And quantity of water in vessel B} = 80 - 32 = 48 \text{ liters}$$

ATQ.

$$\frac{Y + 32}{55 - Y + 48} = \frac{1}{2}$$

$$3Y = 39$$

$$Y = 13$$

So, quantity of wine in vessel A = 13 litres.

**S136. Ans.(a)**

**Sol.**

Let present age of daughter be ' $x$ ' years

So, present age of father  $(34+x)$  years

Present age of son  $(x-4)$  years

And present age of mother =  $30 + x - 4 = (26 + x)$  years

ATQ.

$$34 + x + 4 = (26 + x + 4) \times \frac{6}{5}$$

$$5 \times (38 + x) = (30 + x) \times 6$$

$$190 + 5x = 180 + 6x$$

$$10 = x$$

$$\text{Req. \%} = \frac{(10-4-2)}{(10+2)} \times 100$$

$$= \frac{4}{12} \times 100 = 33\frac{1}{3}\%$$

**S137. Ans.(a)**

**Sol.**

Let total distance travelled by boat be ' $D$ ' km

Speed of stream = 12 km/h

$$\text{Speed of boat in still water} = 183\frac{1}{3}\% \text{ of } 12 = \frac{11}{6} \times 12 = 22 \text{ km/h}$$

ATQ.

$$\frac{D}{22 - 12} - \frac{D}{22 + 12} = 12$$

$$\frac{34D - 10D}{340} = 12$$

$$D = 12 \times \frac{340}{24} = 170 \text{ km}$$

S138. Ans.(a)

Sol.

Let the amount invested by C be  $5x$

And amount invested by B =  $5x \times \frac{3}{5} = 3x$

amount invested by A =  $3x \times \frac{1}{2} = 1.5x$

profit sharing ratio of A, B & C

$$1.5x \times 8 + (1.5x - R) \times 4 : 3x \times 8 + (3x - R) \times 4 : 5x \times 8 + (5x - R) \times 4 \\ (18x - 4R) : (36x - 4R) : (60x - 4R)$$

ATQ.

$$\frac{(18x - 4R)}{(18x - 4R) + (36x - 4R) + (60x - 4R)} = \frac{1}{10}$$

$$\frac{18x - 4R}{114x - 12R} = \frac{1}{10}$$

$$180x - 40R = 114x - 12R$$

$$66x = 28R$$

$$\frac{x}{R} = \frac{14}{33}$$

$$\text{Req. ratio} = \frac{(36x - 4R)}{(60x - 4R)}$$

$$= \frac{(36 \times 14 - 4 \times 33)}{(60 \times 14 - 4 \times 33)} = \frac{372}{708} = 31:59$$

S139. Ans.(b)

Sol.

Let total no. of girls who are not present be  $11x$ .

Total no. of girls who are present =  $12x$

Total no. of boys who are not present =  $11x - 18$

ATQ

$$11x + 12x + 11x - 18 + 52 = 136$$

$$34x = 102$$

$$x = 3$$

Total no. of boys who are not present =  $11 \times 3 - 18 = 15$

total no. of girls in class =  $23 \times 3 = 69$

So, required difference =  $69 - 15 = 54$

S140. Ans.(e)

Sol.

Probability of choosing a bag =  $\frac{1}{2}$

Probability of choosing two red balls from Bag - A =  $\frac{{}^7C_2}{{}^{15}C_2} = \frac{21}{105} = \frac{1}{5}$

Probability of choosing two red balls from Bag - B =  $\frac{{}^xC_2}{{}^{x+7}C_2} = \frac{x(x-1)}{(x+6)(x+7)}$

ATQ,

$$\frac{2}{15} = \frac{1}{2} \left[ \frac{1}{5} + \frac{x(x-1)}{(x+6)(x+7)} \right]$$

$$x = 3, -1$$

**S141. Ans.(a)**

**Sol.**

A does  $66\frac{2}{3}\%$  of the work in 16 days.

$\therefore$  whole work will be done by A =  $16 \times \frac{3}{2} = 24$  days

Similarly, B will do the whole work alone =  $\frac{5 \times 16}{2} = 40$  days.

Time taken by A and B together to do the whole work =  $\frac{40 \times 24}{40 + 24} = 15$  days

Time taken by A and C together to do the whole work =  $15 + 3 = 18$  days

**Quantity I:** Time taken by C alone to do the whole work =  $\frac{18 \times 24}{24 - 18} = 72$  days

**Quantity II:** Let original number is x

$$\text{So } x \times \frac{125}{100} \times \frac{70}{100} \times \frac{1}{2} \times x = 2800$$

$$x^2 = 6400$$

$$x = 80$$

So, **Quantity I < Quantity II**

**S142. Ans.(c)**

**Sol.**

Let present age of Adarsh & Sameer is  $13x$  &  $15x$  respectively

Present age of Ayush =  $(13x - 2)$

ATQ -

$$\frac{(13x - 2) + 3}{15x + 3} = \frac{9}{11}$$

$$143x - 135x = 27 - 11$$

$$x = 2 \text{ years}$$

**Quantity I:** Required difference =  $(13 \times 2 + 5) - 15 \times 2 = 1$  year

**Quantity II:** 1 years

So, **Quantity I = Quantity II**

**S143. Ans.(a)**

**Sol.**

**Quantity I:**  $7x + \frac{127}{25} = 2x^2 + B = 7 - \frac{13x}{5}$

$$\Rightarrow 7x + \frac{127}{25} = 7 - \frac{13x}{5}$$

$$\Rightarrow x = \frac{1}{5}$$

$$\Rightarrow B = 6.4$$

$$\Rightarrow 125\% \text{ of } B = \frac{125}{100} \times 6.4$$

$$= 8.0$$

**Quantity II:** Let the unit digit and tens digit of the number be y and x respectively.

Original number =  $(10x + y)$

ATQ

$$1.75(10x + y) = 10y + x$$

$$x : y = 1 : 2$$

let the unit and tens digits be 1a and 2a respectively

$$\text{Now, } (21a) + 9 = 2(12a)$$

$$a = 3$$

unit digit = 6

and tens digit = 3

sum of both the digits = 9

So, **Quantity I < Quantity II**



S144. Ans.(d)

Sol.

Quantity I: Required probability =  $\frac{7}{15} \times \frac{6}{14} = 0.20$

Quantity II: Required probability

$$= \frac{1}{3} \times \frac{4}{5} + \frac{1}{5} \times \frac{2}{3}$$

$$= \frac{4}{15} + \frac{2}{15} = \frac{6}{15} = \frac{2}{5} = 0.40$$

So, Quantity I < Quantity II

S145. Ans.(e)

Sol.

Plane reach early by  $75 - 30 = 45$  minutes

Quantity I: Let original speed of airplane be '10s km/hr.' and original time taken by airplane be 't hours.

Let distance covered by airplane be 'D km'.

ATQ,

$$D = 10s \times t \quad \dots(i)$$

$$D = 10s \times \frac{110}{100} \times \left(t - \frac{45}{60}\right) \quad \dots(ii)$$

On solving (i) & (ii), we get:

$$t = 8 \text{ hours } 15 \text{ minutes}$$

Quantity II: 8 hours 15 minutes

So, Quantity I = Quantity II

S146. Ans.(b)

Sol.

We know volume of cylinder =  $\pi r^2 h$

$$\text{In cylinder P number of such cubes filled} = \frac{22}{7} \times \frac{12 \times 12 \times 21}{4 \times 4 \times 4} = \frac{297}{2} = 148 \text{ whole cubes}$$

$$\text{In cylinder R number of such cubes filled} = \frac{22}{7} \times \frac{21 \times 21 \times 10}{4 \times 4 \times 4} = \frac{3465}{16} = 216 \text{ whole cubes}$$

$$\text{Required difference} = 216 - 148 = 68 \text{ cubes}$$

S147. Ans.(a)

Sol.

We know volume of cylinder =  $\pi r^2 h$

$$\text{Empty volume of cylinder T} = \frac{(100-60)}{100} \times \frac{22}{7} \times 28 \times 28 \times 14$$

$$= \frac{2}{5} \times 22 \times 4 \times 28 \times 14$$

$$= 13798.4 \text{ cm}^3$$

$$\text{Empty volume of cylinder S} = \frac{(100-50)}{100} \times \frac{22}{7} \times 23 \times 23 \times 14$$

$$= 2 \times 11 \times 23 \times 23$$

$$= 11638 \text{ cm}^3$$

$$\text{Req. difference} = 13798.3 - 11638 = 2160.3 \text{ cm}^3$$

S148. Ans.(e)

Sol.

$$\text{Diameter of cylinder Q} = 9 \times 2 = 18 \text{ cm}$$

$$\text{Diameter of cylinder R} = 21 \times 2 = 42 \text{ cm}$$

$$\text{Difference between diameter and height of cylinder Q} = 18 - 14 = 4 \text{ cm}$$

$$\text{Difference between diameter and height of cylinder R} = 42 - 10 = 32 \text{ cm}$$

$$\text{Required percentage} = \frac{4}{32} \times 100 = 12.5\%$$

**S149. Ans.(d)**

**Sol.**

We know curved surface area of cylinder =  $2\pi rh$

$$\text{Required ratio} = \frac{2\pi \times 12 \times 21}{2\pi \times 28 \times 14}$$

$$= 9 : 14$$

**S150. Ans.(b)**

**Sol.**

We know total surface area of cylinder =  $2\pi rh + 2\pi r^2$

$$= 2\pi r(h + r)$$

$$\text{Total surface area of cylinder S} = 2 \times \frac{22}{7} \times 23 \times (23 + 14)$$

$$= \frac{37444}{7} \text{ cm}^2$$

$$\text{Total surface area of cylinder R} = 2 \times \frac{22}{7} \times 21 \times (21 + 10)$$

$$= 4092 \text{ cm}^2$$

$$\text{Required sum} = \frac{37444}{7} + 4092$$

$$= \frac{66088}{7} \text{ cm}^2$$

**S151. Ans.(d)**

**Sol.**

Let the height of cylinder be  $y$  cm

ATQ

$$2 \times \frac{22}{7} \times x \times (x + y) = 2 \times 3 \times \frac{22}{7} \times x^2$$

On solving

$$y = 2x$$

$$\text{ATQ, } \frac{22}{7} \times x \times x \times 2x = 17248$$

$$x = 14 \text{ cm}$$

$$\text{Required Curved surface area of cylinder} = 2 \times \frac{22}{7} \times 14 \times 28 = 2464 \text{ cm}^2$$

**S152. Ans.(b)**

**Sol.**

Let amount invested in each scheme = Rs.  $x$

$$\text{Interest earned from scheme A} = 12 + 12 + \frac{12 \times 12}{100} = 25.44\%$$

$$\text{Interest earned from scheme B} = 10\% + (10\% + 1\%) + (10\% + 2.1\%) = 33.1\%$$

ATQ.

$$33.1\% \text{ of } x - 25.44\% \text{ of } x = 3830$$

$$33.1x - 25.44x = 3830 \times 100$$

$$7.66x = 383000$$

$$x = \frac{383000}{7.66} = 50,000$$

$$x = \text{Rs. } 50000$$

**S153. Ans.(b)**

**Sol.**

Pattern of series -

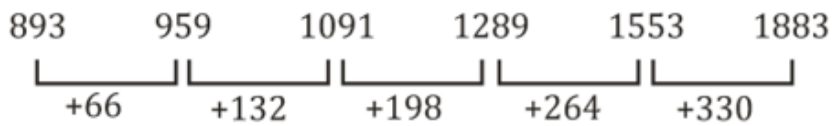
1089	1225	1369	1521	1681	1849
↑	↑	↑	↑	↑	↑
$33^2$	$35^2$	$37^2$	$39^2$	$41^2$	$43^2$

Hence, missing term is 1681.

S154. Ans.(c)

Sol.

Pattern of series -

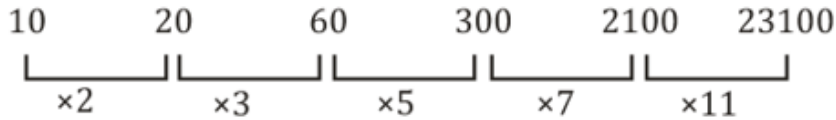


Hence, missing term is 959.

S155. Ans.(e)

Sol.

Pattern of series -

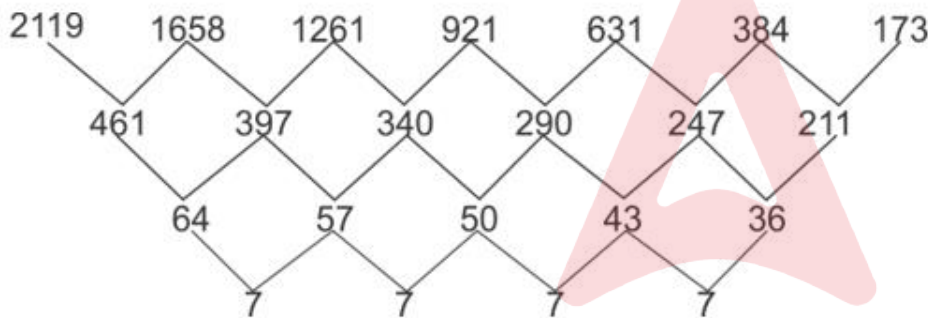


Hence, missing term is 2100.

S156. Ans.(d)

Sol.

Pattern of series -



Hence, missing term is 1658

S157. Ans.(b)

Sol.

$$\text{Total population of village A} = \frac{420}{35} \times 100 = 1200$$

$$\text{No. of males in village A} = 1200 \times \frac{65}{100} = 780$$

$$\text{No. of literate male in village A} = 780 \times \frac{15}{100} = 117$$

$$\text{No. of literate female in village A} = 250 - 117 = 133$$

Similarly,

Village	Total Population	Total Males	Total Females	Literate Males	Literate Females	Total literate
A	1200	780	420	117	133	250
B	1500	810	690	243	177	420
C	1750	1050	700	420	230	650
D	1080	486	594	243	307	550
E	960	480	480	108	132	240

Illiterate females in village A and B together =  $(420 - 133) + (690 - 177)$   
 $= 287 + 513 = 800$

So, required % =  $\frac{420}{800} \times 100 = 52.5\%$

S158. Ans.(d)

Sol.

Total population of village A =  $\frac{420}{35} \times 100 = 1200$

No. of males in village A =  $1200 \times \frac{65}{100} = 780$

No. of literate male in village A =  $780 \times \frac{15}{100} = 117$

No. of literate female in village A =  $250 - 117 = 133$

Similarly,

Village	Total Population	Total Males	Total Females	Literate Males	Literate Females	Total literate
A	1200	780	420	117	133	250
B	1500	810	690	243	177	420
C	1750	1050	700	420	230	650
D	1080	486	594	243	307	550
E	960	480	480	108	132	240

Illiterate males in village B =  $810 - 243 = 567$

Illiterate males in village D =  $486 - 243 = 243$

Literate females in village A, B and C together =  $133 + 177 + 230 = 540$

So, required percentage =  $\frac{(567+243)-540}{540} \times 100 = 50\%$

S159. Ans.(c)

Sol.

Total population of village A =  $\frac{420}{35} \times 100 = 1200$

No. of males in village A =  $1200 \times \frac{65}{100} = 780$

No. of literate male in village A =  $780 \times \frac{15}{100} = 117$

No. of literate female in village A =  $250 - 117 = 133$

Similarly,

Village	Total Population	Total Males	Total Females	Literate Males	Literate Females	Total literate
A	1200	780	420	117	133	250
B	1500	810	690	243	177	420
C	1750	1050	700	420	230	650
D	1080	486	594	243	307	550
E	960	480	480	108	132	240

Total illiterate female = total females - total literate females  
 = (420 + 690 + 700 + 594 + 480) - (133 + 177 + 230 + 307 + 132)  
 = 2884 - 979 = 1905  
 Total literate males = 117 + 243 + 420 + 243 + 108 = 1131  
 So, required ratio =  $\frac{1905}{5} : \frac{1131}{5} = 635 : 377$

S160. Ans.(e)

Sol.

Total population of village A =  $\frac{420}{35} \times 100 = 1200$   
 No. of males in village A =  $1200 \times \frac{65}{100} = 780$   
 No. of literate male in village A =  $780 \times \frac{15}{100} = 117$   
 No. of literate female in village A =  $250 - 117 = 133$   
 Similarly,

Village	Total Population	Total Males	Total Females	Literate Males	Literate Females	Total literate
A	1200	780	420	117	133	250
B	1500	810	690	243	177	420
C	1750	1050	700	420	230	650
D	1080	486	594	243	307	550
E	960	480	480	108	132	240

Graduated males in village A =  $\frac{117+27}{2} = 72$   
 Graduated males in village B =  $\frac{243+41}{2} = 142$   
 Graduated males in village C =  $\frac{420+60}{2} = 240$   
 Graduated males in village D =  $\frac{243+53}{2} = 148$   
 Graduated males in village E =  $\frac{108+42}{2} = 75$   
 So, required no. = 677

S161. Ans.(d)

Sol. **File compression** is the technique used to store the large file in a small storage space. It compresses to content of the file in such a way that there is no harm done on the file content and quality.

S162. Ans.(b)

Sol. **PowerPoint** is used to make presentations/slide shows.

S163. Ans.(a)

Sol. CPU doesn't understand the C++ language (or any high level programming language). All the High level language statements must be translated into **machine** code before they can be executed.

S164. Ans.(d)

Sol. **Fiber optic** cables transmit signals in the form of optical signals over a narrow glass fiber stand.

S165. Ans.(a)

Sol. The **Graphics Interchange Format (GIF)** is used to save simple Web graphics having limited colours. This image format is usually used for Web buttons, charts and text headings.

**S166. Ans.(a)**

**Sol.** RDBMS stands for **Relational Database Management System**.

**S167. Ans.(b)**

**Sol.** MS DOS stands for Microsoft Disk Operating System it is a discontinued operating system for x86-based personal computers mostly developed by **Microsoft**.

**S168. Ans.(d)**

**Sol.** A **peripheral device** is generally defined as any auxiliary device such as a computer mouse or keyboard that connects to and works with the computer in some way.

**S169. Ans.(a)**

**Sol.** **Optical Mark Recognition (OMR)** is the technology used to read pencil or pen marks on a multiple-choice answer sheet.

**S170. Ans.(d)**

**Sol.** In MS Access, different views to display a table include **Pivot Table & Pivot Chart View** for data analysis, **Design View** to modify table structure, and **Datasheet View** to view and edit the actual data.

**S171. Ans.(d)**

**Sol.** SMTP, FTP and DNS are protocols of the **Application layer**. SMTP-Simple Mail Transfer Protocol, DNS-Domain Name System, FTP-File Transfer Protocol.

**S172. Ans.(c)**

**Sol.** A **network** is interconnection of two or more computers.

**S173. Ans.(b)**

**Sol.** An **instruction cycle** is the basic operational process of a computer. It is the process by which a computer retrieves a program instruction from its memory, determines what actions the instruction dictates, and carries out those actions.

**S174. Ans.(d)**

**Sol.** Base of hexadecimal number system is **16**.

**S175. Ans.(d)**

**Sol.** Electronic commerce, commonly written as **e-commerce**, is the trading or facilitation of trading in products or services using computer networks, such as the Internet or online social networks.

**S176. Ans.(a)**

**Sol.** In computer programming, a **logical error is a bug in a program** that causes it to operate incorrectly, but not to terminate abnormally (or crash). A logic error produces unintended or undesired output or other behavior, although it may not immediately be recognized as such.

**S177. Ans.(b)**

**Sol.** A **barcode** is a machine-readable representation of data relating to the object to which it is attached.

**S178. Ans.(d)**

**Sol.** A **cache server** is a dedicated network server or service acting as a server that saves Web pages or other Internet content locally.

**S179. Ans.(c)**

**Sol.** **Spoofing** is a type of scam where an intruder attempts to gain unauthorized access to a user's system or information by pretending to be the user. The main purpose is to trick the user into releasing sensitive information in order to gain access to one's bank account, computer system or to steal personal information, such as passwords.

**S180. Ans.(c)**

**Sol.** A **microphone** is a device that translates sound vibrations in the air into electronic signals.

**S181. Ans.(b)**

**Sol.** A **web browser (commonly referred to as a browser)** is a software application for retrieving, presenting and traversing information resources on the World Wide Web. An information resource is identified by a Uniform Resource Identifier (URI/URL) that may be a web page, image, video or other piece of content.

**S182. Ans.(c)**

**Sol.** **Sorting** is any process of arranging items systematically.

**S183. Ans.(a)**

**Sol.** The **Menu Bar** is the horizontal band that contains commands and options that can be chosen.

**S184. Ans.(a)**

**Sol.** A **modem** is a telecommunication device that allows computers or other devices to connect to the internet or other networks by converting digital signals to analog signals for transmission over telephone lines or other communication channels, and vice versa. Modems are commonly used to establish a connection between a user's device and an internet service provider (ISP) to access the internet.

**S185. Ans.(c)**

**Sol.** **400%** is the max. zoom percentage in PowerPoint.

**S186. Ans.(d)**

**Sol.** All of these are file extension(s) in DOS.

- **EXE:** This file extension stands for "executable" and is used for executable program files in DOS. These files contain instructions that can be executed by the computer.
- **BAT:** This file extension stands for "batch" and is used for batch script files in DOS. Batch files contain a series of commands that are executed in sequence when the file is run.
- **COM:** This file extension stands for "command" and is used for command files in DOS. COM files are similar to EXE files and contain instructions that can be executed by the computer.

**S187. Ans.(b)**

**Sol.** A **programming language** is a formal computer language or constructed language designed to communicate instructions to a machine, particularly a computer. Programming languages can be used to create programs to control the behavior of a machine or to express algorithms.

**S188. Ans.(a)**

**Sol.** The first electronic digital computer contained **electronic valves**.

**S189. Ans.(d)**

**Sol.** **Word processors** are used to create text-based documents.

**S190. Ans.(d)**

**Sol.** **Netscape, Chrome, and Firefox are all examples** of web browsers.

- **Netscape:** Netscape Navigator was one of the earliest web browsers and played a significant role in popularizing the World Wide Web in the 1990s. While it is not as widely used today, it was one of the pioneering browsers.
- **Chrome:** Google Chrome is currently one of the most popular web browsers worldwide. It is known for its speed, security, and extensive features and is available on multiple platforms, including Windows, macOS, Linux, Android, and iOS.
- **Firefox:** Mozilla Firefox is another popular web browser that offers a range of features, including speed, privacy options, customization, and compatibility with various platforms. It is also available on multiple operating systems.

**S191. Ans.(a)**

**Sol.** **Input devices** are hardware components that allow you to enter data and instructions into a computer system.

- It enables the user to send data, information, or control signals to a computer.
- The Central Processing Unit (CPU) of a computer receives the input and processes it to produce the output.
- In other words, an input device is a piece of equipment used to provide data and control signals to an information processing system.
- Examples of input devices include keyboards, mouse, scanners, digital cameras, joysticks, and microphones.

**S192. Ans.(a)**

**Sol.** A **floppy disk** drive (FDD), or floppy drive, is a hardware device that reads data storage information.

- It was invented in 1967 by a team at IBM and was one of the first types of hardware storage that could read-write a portable device.
- It is a storage device that has a very small storage capacity of only 1.44 MB.
- Floppy disks are inserted in to a floppy disk drive to allow data to be read or stored.
- Floppy disks store much less data than a CD-ROM disk or USB flash drive.

**S193. Ans.(d)**

**Sol.** A URL (Uniform Resource Locator) is a reference or address to a resource on the Internet. It is how web pages are accessed and displayed in web browsers. <https://www.news/updates.html> represents a typical format of a URL, specifying the protocol (https), the domain name (www.news), and the path to a specific page (/updates.html).

**S194. Ans.(d)**

**Sol.** The physical layer is the first and lowest layer of the Open System Interconnection Model (OSI Model.)

- It deals with bit-level transmission between different devices and supports electrical or mechanical interfaces connecting to the physical medium for synchronized communication.
- A repeater operates at the physical layer. Its job is to regenerate the signal over the same network before the signal becomes too weak or corrupted so as to extend the length to which the signal can be transmitted over the same network.
- A **hub is basically a multiport repeater**. A hub connects multiple wires coming from different branches, for example, the connector in star topology which connects different stations.

**S195. Ans.(d)**

**Sol.** A bootstrap is the process of starting up a computer.

- It also refers **to the program that initializes the operating system during start-up**.
- When you turn on or restart a computer, it automatically loads a sequence of commands that initializes the system, checks for hardware, and loads the operating system.
- This process does not require any input and is therefore considered a bootstrap process.
- Bootstrap is the most popular CSS Framework for developing responsive and mobile-first websites.

**S196. Ans.(d)**

**Sol.** A **bookmark** is a saved shortcut that directs your browser to a specific webpage.

- When referring to an Internet browser, a bookmark or electronic bookmark is a method of saving a web page's address.
- When you bookmark a web page, you are creating a shortcut for quick access to that web page.
- Bookmarks save user and browser time, which is especially useful for Web pages with long URLs.
- All major web browsers allow you to create bookmarks. To create a bookmark, simply visit the page you want to bookmark and select Add Bookmark or Bookmark this Page from the Bookmarks menu.

**S197. Ans.(d)**

**Sol.** Domain names are a key part of the Internet infrastructure.

- They provide a human-readable address for any web server available on the Internet.
- The domain name org is a generic top-level domain of the Domain Name System (DNS) used in the Internet.
- .net is one of the most popular domain names used by companies all over the world to launch their business online.
- The domain name gov is a sponsored top-level domain in the Domain Name System of the Internet.
- The name is derived from the word government, indicating its restricted use by government entities.
- The domain edu was originally intended for educational institutions anywhere in the world.
- **.htl doesn't correctly** define a functional domain name.

**S198. Ans.(a)**

**Sol.** A **margin** is the space between the text and the edge of your document.

- By default, a new document's margins are set to Normal, which means it has a one-inch space between the text and each edge.
- Although text and other objects are usually inserted into the printable area within the margins, some items can actually be positioned in the margins.
- Microsoft Word offers the facility to use default margin settings or to define your own margins.
- To adjust the margins in your document, click Page Layout > Page Setup > Margins.



**S199. Ans.(c)**

**Sol.** Word wrap, split windows, and sort are common features in spreadsheet software like Microsoft Excel. **WordArt** is NOT a feature of Spreadsheets.

**S200. Ans.(c)**

**Sol.** A **protocol stack** refers to a group of protocols that are running concurrently that are employed for the implementation of network protocol suite.

- It is a group of protocols that all work together to allow software or hardware to perform a function.
- The protocols in a stack determine the interconnectivity rules for a layered network model such as in the OSI or TCP/IP models.
- The protocol stack is used to allow the combination of different protocols that each set the boundaries for a number of network activities.

