

## UCO Bank LBO Sample Paper

**Directions (1-7) : Read the following passage carefully and answer the questions given below it. Certain words have been given in bold to help you locate them, while answering some of the questions.**

India's consumer behaviour has experienced a radical **transformation** at the most fundamental levels. The rise in smartphone use fuelled by affordable data plans has catalysed an online revolution in the country. The novel coronavirus pandemic has further accelerated the process of digital inclusion, and it is now not only routine to transact online and have food, personal care items or anything else delivered at the one's doorstep, but it is also common to learn online, have medical consultations online, and even resolve disputes online. These realisations have given India the opportunity to disrupt the status quo with its innovative abilities.

Despite the rapid advancement of digital platforms on the one hand and the **pervasiveness** of the Internet-enabled phone on the other, small enterprises such as local kirana stores have not gained from this. Online purchases from "near and now" inventory from the local store remain in a digital vacuum. This is because, to sell on numerous platforms, sellers must maintain a separate infrastructure, which only adds costs and limits participation. The distinct terms and conditions of each platform further limit the sellers' flexibility. Consequently, small and medium-sized businesses have lost their freedom to choose and participate in the country's e-commerce system at their will and on their terms. Alarming, centralising digital commerce transactions on a single platform creates a single point of failure. Given this objective, the Department for Promotion of Industry and Internal Trade (DPIIT) of the Government of India established the Open Network for Digital Commerce (ONDC) to level the playing field by developing open e-commerce and enabling \_\_\_\_\_ to small businesses and dealers. The ONDC network makes it possible for products and services from all participating e-commerce platforms to be displayed in search results across all network apps. For instance, a consumer shopping for a product on an e-commerce app named "X" would also receive results from e-commerce app named "Y", if both X and Y integrated their platforms with the ONDC. This achieves the dual objective of wider choice for consumers on the one hand and access to a wider consumer base for sellers on the other.

**Q1.** Which of the following has/have brought the online revolution?

- (a) High availability of cheaper smartphones even in the remote and urban areas
- (b) The government's promotion of Digital India is the only cause of the online revolution
- (c) Inexpensive data plans which have been the flourishing ground to increase smartphone usage
- (d) Commencement of new telecom companies and launch of government's free WiFi services
- (e) None of these

**Q2.** According to the passage, how the coronavirus pandemic has elevated the usage of the internet?

- (a) Provision of online services such as online education and medical consultation started prevailing in people's life
- (b) People started using digital platforms to get needed goods delivered to their doorstep
- (c) People started spending more time on social media for entertainment and communication
- (d) Only (a) and (b)
- (e) All of these

**Q3.** Why is it correct to say that the advancement of digital platforms isn't propitious for local grocers?

- (a) Different terms and conditions of different platforms restrict local grocers' flexibility
- (b) Managing separate infrastructure for different platforms are surcharge for sellers
- (c) Local sellers don't have the opportunity to indulge in e-commerce as per their conditions
- (d) All of these
- (e) None of these

**Q4.** How is Open Network for Digital Commerce designed to work?

- (a) ONDC will guide to use the of the digital platforms in order to promote e-commerce in rural areas
- (b) It will be used mainly to compare the prices of the same good on the different digital platforms
- (c) It fetches and exchanges search information among two or more platforms that are integrated with it
- (d) It promotes offline shopping of goods and services in order to sustain local sellers in the market
- (e) None of these

**Q5.** Which of the following can be used to fill the blank given in the passage in order to make a grammatically correct and contextually meaningful sentence?

- (a) ruckus
- (b) access
- (c) excess
- (d) badass
- (e) None of these

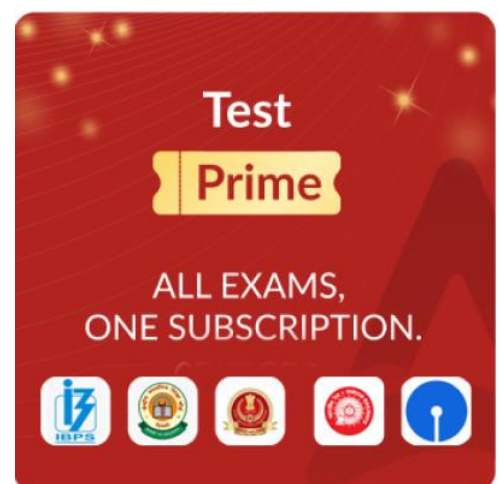
**Q6.** Which of the following is a synonym of 'transformation' given in the passage?

- (a) conservation
- (b) conversion
- (c) impulsion
- (d) illusion
- (e) None of these

**Q7.** Which of the following is an antonym of 'pervasiveness' given in the passage?

- (a) sparse
- (b) vicious
- (c) dampen
- (d) volatile
- (e) None of these

**Directions (8-10) :** A word has been given in each question and has been used in the sentences given below. Identify the statements where the word has been used in a contextually and grammatically correct manner. If the word has been used incorrectly in all the statements, mark "None of these" as the answer.



### Q8. Engage

- (i) Robot is designed to **engage** with human beings in a personalized way  
(ii) Democracy aims to empower the individual to **engage** the kind of life that he or she values.  
(iii) The ability to retain and **engage** employees will play a key role in whether or not a company thrives.
- (a) only (i)  
(b) only (ii)  
(c) both (iii) and (i)  
(d) both (ii) and (iii)  
(e) none of these

### Q9. Vital

- (i) Weavers are hesitant to join online bandwagon and believe that offline handloom trade is **vital**.  
(ii) Scientists have restored **vital** cellular functions to pigs one hour after death.  
(iii) The demand for minor minerals such as sand and gravel has **vital** 60 million metric tons.
- (a) only (i)  
(b) only (ii)  
(c) both (iii) and (i)  
(d) both (ii) and (i)  
(e) none of these



### Q10. Entrust

- (i) The situation now **entrust** that the problem is even more complex  
(ii) The focus must now **entrust** to cooling the temperatures.  
(iii) I have been **entrusted** with the task to bring groceries monthly.
- (a) only (i)  
(b) only (iii)  
(c) both (iii) and (i)  
(d) both (ii) and (i)  
(e) none of these

**Directions (11-15) : Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is 'No error', the answer is 'e' . (Ignore errors of punctuation, if any.)**

- Q11.** Both Rose as well as (A) / Jack are going to (B) / start their startups (C) / in recent months. (D)
- (a) A  
(b) B  
(c) C  
(d) D  
(e) No error

**Q12.** The reason he is (A) / not talking to anyone (B) / is because he is (C) / emotionally disturbed today.  
(D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

**Q13.** Simla and their surrounding (A) / areas experienced the (B) / heaviest snowfall of (C) / the season last night. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

**Q14.** No sooner did I see (A) / my younger brother's low (B) / grades then I started (C) / worrying about his future. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

**Q15.** The world needs to (A) / get together at this (B) / crucially hour to defuse the (C) / tensions between Russia and Ukraine. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

**Directions (16-20) : Answer the following questions after rearranging the given sentences into a coherent paragraph.**

(A) However, there is a long way to go for the country to achieve stability in population.

(B) Thus population will be one-third more the population India will have in 2025.

(C) This is expected to be achieved no later than 2064 and is projected to be at 170 crore.

(D) In its 75-year journey since Independence, the country has seen a sea change in its demographic structure.

(E) At the current rate of growth, this is expected to fall to 1% by 2025.

(F) In the 1960s, India had a population growth rate of over 2%.

**Q16.** Which of the following should be the SECOND sentence after rearrangement?

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

**Q17.** Which of the following should be the FIRST sentence after rearrangement?

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

**Q18.** Which of the following should be the THIRD sentence after rearrangement?

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

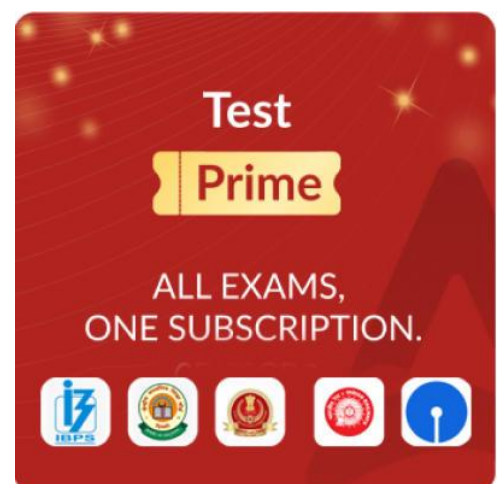
**Q19.** Which of the following should be the FIFTH sentence after rearrangement?

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

**Q20.** Which of the following should be the FOURTH sentence after rearrangement?


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

**Directions (21-25):** In these questions, the relationship between different elements is shown in the statements. The statements are followed by two conclusions. Study the conclusions based on the given statement and select the appropriate answer.



Test  
Prime

ALL EXAMS,  
ONE SUBSCRIPTION.



**Q21. Statements:**  $I > P \geq O < R$ ;  $T \geq M < N \leq S$ ;  $A > M \leq P > E$

**Conclusions:** **I.**  $O > N$                       **II.**  $T > I$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or II is true
- (d) If neither conclusion I nor II is true
- (e) If both conclusions I and II are true

**Q22. Statements:**  $R < F \geq C < D = E$ ;  $A \geq H < C \leq B > K$

**Conclusions:** **I.**  $D \leq K$                       **II.**  $E > K$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or II is true
- (d) If neither conclusion I nor II is true
- (e) If both conclusions I and II are true

**Q23. Statements:**  $7 \leq 5 < 4 > 3 < 2$ ;  $6 \geq 8 > 3 < 9 = 1$

**Conclusions:** **I.**  $7 = 6$                       **II.**  $1 > 2$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or II is true
- (d) If neither conclusion I nor II is true
- (e) If both conclusions I and II are true

**Q24. Statements:**  $A > B < G \leq J < I$ ;  $M \geq K < B > O \geq P$

**Conclusions:** **I.**  $I > O$                       **II.**  $M > A$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or II is true
- (d) If neither conclusion I nor II is true
- (e) If both conclusions I and II are true

**Q25. Statements:**  $8 > 5 \leq 6 < 9 > 3$ ;  $1 \leq 7 < 9 > 4 \geq 2$

**Conclusions:** **I.**  $8 < 1$                       **II.**  $2 > 3$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or II is true
- (d) If neither conclusion I nor II is true
- (e) If both conclusions I and II are true

**Directions (26-30) : Study the following information carefully and answer the questions given below:**

Six persons i.e., N, M, D, R, A and G are living in a six-storey building (but not necessarily in the same order) such that the ground floor is numbered as 1, just above it is floor 2 and the topmost floor is numbered as 6. Each person belongs to a different state i.e., Punjab, Haryana, Gujarat, Karnataka, Sikkim and Tripura but not necessarily in the same order).

One person lives between A and the person who belongs to Tripura. The person who belongs to Tripura lives on the third floor. Two persons live between A and R who belong to Punjab. One person lives between D and the person who belongs to Sikkim. R lives above D. A does not belong to Sikkim. The person who belongs to Gujarat lives just above M. The number of persons lives between G and the person who belongs to Punjab is equal to the number of persons lives between N and R. G and A do not live on the adjacent floors. N does not belong to Haryana.

**Q26. Who among the following persons lives on the second floor?**

- (a) The person who belongs to Sikkim
- (b) D
- (c) The person who belongs to Karnataka
- (d) R
- (e) None of these

**Q27. How many persons live below R?**

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

**Q28. Who among the following persons lives just above D?**

- (a) The person who belongs to Karnataka
- (b) G
- (c) M
- (d) R
- (e) None of these

**Q29. Which of the following statement(s) is/are true?**

- (a) N lives on the third floor
- (b) The person who belongs to Gujarat lives on the first floor
- (c) D belongs to Tripura
- (d) G lives just above the person who belongs to Haryana.
- (e) All are true

**Q30. Who among the following persons belongs to Haryana?**

- (a) D
- (b) M
- (c) A
- (d) G
- (e) None of these

**Directions (31-33) : Study the given information and answer the following questions:**

Komal walks 12m east from her home, and reaches at B. She turns left from B, and walks 5m to reach R. Now, she walks 20m towards north from R, to reach U. From U, she takes two consecutive left turns of 7m and 15m to reach P and D respectively. Now, she takes a final right turn from D and reaches school, after walking 9m.

**Q31. What is the total distance travel by Komal from her home to P?**

- (a) 34m
- (b) 38m
- (c) 39m
- (d) 44m
- (e) 51m

**Q32. In which direction is Komal's home with respect to D?**

- (a) South-west
- (b) South
- (c) North-west
- (d) North
- (e) None of these

**Q33. In which direction is U with respect to Komal's school?**

- (a) North-west
- (b) North-east
- (c) East
- (d) South-east
- (e) None of the above

**Directions (34-38) : Read the given information carefully and answer the related questions:**

Ten persons sit in two parallel rows, such that five persons sit in each row. The persons of row 1 face north and the persons of row 2 face south. Persons of both rows face each other.

N is the only neighbor of M. B faces the one who sits third to the left of N. One person sits between B and O. V and O do not sit in same row. H faces the one who sits just right of V. S faces south. S neither faces N nor sits left of N. D sits just left of F. P is one of the persons.



**Q34. Four of the following five are similar in a certain way, who among the following is dissimilar to others?**

- (a) B
- (b) V
- (c) S
- (d) M
- (e) F

**Q35. What is the position of P with respect to H?**

- (a) Immediate left
- (b) Second to the left
- (c) Third to the right
- (d) Immediate right
- (e) Second to the right

**Q36. Who among the following sit in row 2?**

- (a) D
- (b) F
- (c) V
- (d) P
- (e) N

**Q37. Who among the following person faces O?**

- (a) P
- (b) D
- (c) F
- (d) H
- (e) B

**Q38. How many persons sit to the left of the one, who faces P?**

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

**Directions (39-40) :** In each of the questions below, some statements are given followed by two 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.

**Q39. Statements:** Only a few Laptop is TV

Some TV is Smart

Only a few Smart is Hybrid

**Conclusions: I.** Some Laptop is Smart

**II.** All Hybrid can be TV

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either conclusion I or II follows

(d) If neither conclusion I nor II follows

(e) If both conclusions I and II follow

**Q40. Statements:** Only a few Aces are Spades

All Spades are Queen

Some Queen is Jack

**Conclusions: I.** Some Aces are Queen

**II.** No Jack is Aces

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either conclusion I or II follows

(d) If neither conclusion I nor II follows

(e) If both conclusions I and II follow

**Direction (41-44) :** Find out the missing number in the given number series.

**Q41.** 197, 184, 158, 119, ?, 2

(a) 67

(b) 61

(c) 54

(d) 72

(e) 77

**Q42.** ? 132, 110, 90 72 56

(a) 150

(b) 165

(c) 156

(d) 144

(e) 121

**Q43.** 247, 123, 60, 34, 27, ?

(a) 25

(b) 24

(c) 28

(d) 27

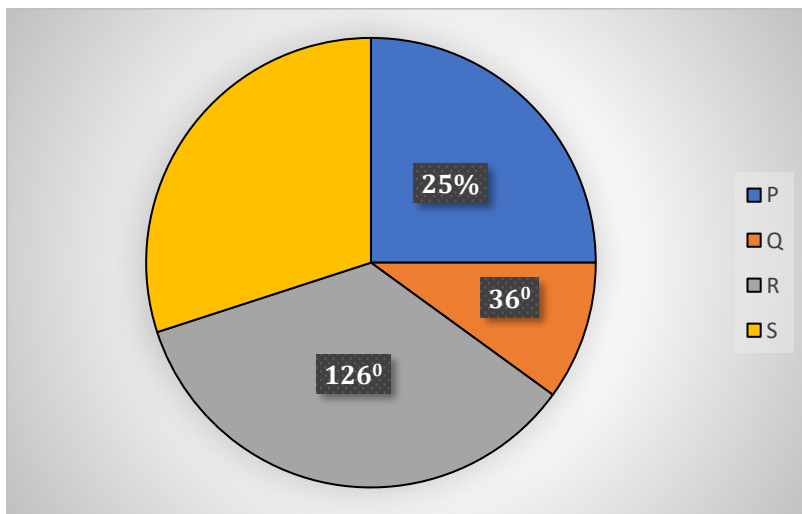
(e) 22

Q44. ?, 2, 3, 8, 35, 204

- (a) -2
- (b) 1.5
- (c) 1
- (d) 2
- (e) 0.5

**Directions (45-47) :** Read the following pie chart carefully and answer the questions given below.

The pie chart shows percentage or degree distribution of total vehicles (cars + bikes) sold by four (P, Q, R & S) different companies.



**Note:** (i) Percentage of cars sold by each company is 40% of the total vehicles sold by each company.  
(ii) Total vehicles sold by company S are 240.

**Q45.** Buses sold by company Q are 60% of the total vehicles sold by company S. If the ratio of buses and scooters sold by company Q is 36:19, then buses and cars sold by company Q is what percentage of scooters and bikes sold by the company (approx) .

- (a) 157%
- (b) 153%
- (c) 145%
- (d) 149%
- (e) 142%

**Q46.** Cars sold by companies Q & S together is how much percentage more or less than the total vehicles sold by company P?

- (a) 54%
- (b) 36%
- (c) 24%
- (d) 42%
- (e) 12%

**Q47. Find the ratio between average number of bikes sold by companies P, R and S to number of cars sold by company Q.**

- (a) 9:2
- (b) 5:7
- (c) 2:9
- (d) 1:6
- (e) 6:1

**Q48. A man spends 20% of his monthly income on house rent, 20% of the remaining on food and remaining amount he spends on clothing and sip investment in the ratio of 7: 9. If the difference between expenditure on food and clothing is Rs.10800, then find his annual income of the man.**

- (a) Rs.1080000
- (b) Rs.700000
- (c) Rs.680000
- (d) Rs.960000
- (e) Rs.720000

**Q49. P, Q and R started a business with investment of Rs.28000, Rs.16000 & Rs.20000 respectively. After six months, P added 25% of his initial investment more and Q withdrew Rs.6000. At the end of the year, the profit earned by R is Rs.3120. Find the difference between profit share of P and of Q**

- (a) Rs. 1486
- (b) Rs. 2676
- (c) Rs. 2006
- (d) Rs. 2886
- (e) Rs. 2216

**Q50. A shopkeeper has two watches (Analog and Digital) . Cost price of an analog watch is  $\frac{65}{2}\%$  more than cost price of a digital watch. The cost price of analog watch is increased by 30% and sold in Rs.2067, then shopkeeper received a profit of 25%. If digital watch marked up 15% above cost price, then find the marked price of digital watch (in Rs.) .**

- (a) 1208
- (b) 1104
- (c) 1076
- (d) 1152
- (e) 988

**Q51. Harsh and Dev planned to meet each other. Dev starts to travel from point A to B at the speed of 42 kmph at 10:00 AM and Harsh starts from point B to A at the speed of 28 kmph at 12:00 PM. If they meet at 2: 30 PM, then find the distance between A and B.**

- (a) 216 km
- (b) 259 km
- (c) 244 km
- (d) 263 km
- (e) 228 km

**Q52.** Four years ago, the ratio of age of Sheetal and Reena was 3: 2 respectively. Eight years ago, the ratio of age of Reena and Ritu was 1: 2 respectively. If Ritu is 12 years older than Sheetal, then find the age of Reena after seven years?

- (a) 71 years
- (b) 59 years
- (c) 43 years
- (d) 29 years
- (e) 57 years

**Q53.** A mixture contains milk and water in the ratio of 13:17 respectively. If 180 ml of mixture is taken out and then 12 ml of milk and 24 ml of water is added into the remaining mixtures such that the ratio of milk and water becomes 5:7 respectively. Find the original quantity of the mixture.

- (a) 345ml
- (b) 480ml
- (c) 360ml
- (d) 520ml
- (e) 640ml

**Q54.** A can complete a piece of work in 8 days, A and B together can complete same work in 4.8 days and A, B and C together complete the work in  $\frac{40}{11}$  days. Find the time taken by A and C together to complete the whole work?

- (a)  $\frac{120}{23}$  days
- (b) 12 days
- (c) 17.5 days
- (d)  $\frac{120}{29}$  days
- (e) 20 days

**Q55.** Train A, whose length is 40 meters less than length of train B overtakes it in 88 sec. Speed of train A and train B is 54 kmph and 36 kmph respectively. Find the time taken by train B to cross a platform whose length is 120 meters more than length of train B.

- (a) 72 sec
- (b) 60 sec
- (c) 120 sec
- (d) 90 sec
- (e) 150 sec

**Directions (56 – 60) :** Find the approximate value of question mark (?) in the following questions.

**Q56.**  $1259.909 \div 12.106 \div 6.979 + 37.8982 - 29.9023 = ?$

- (a) 28
- (b) 11
- (c) 19
- (d) 15
- (e) 23

**Q57.**  $? + 205.901 - 506.109 = (7.01)^3 - 50.01\% \text{ of } 85.99$

- (a) 500
- (b) 600
- (c) 550
- (d) 510
- (e) 660

**Q58.**  $24.01\% \text{ of } 449.98 + ?^2 = (16.01)^2 - \sqrt[3]{63.93}$

- (a) 8
- (b) 12
- (c) 10
- (d) 9
- (e) 14

**Q59.**  $? \times (44.01\% \text{ of } 750.01 + 110.01) = 87.99\% \text{ of } 2499.98$

- (a) 12
- (b) 24
- (c) 13
- (d) 5
- (e) 8

**Q60.**  $4.01^? + 79.98\% \text{ of } 980.03 = 1039.99$

- (a) 4
- (b) 2
- (c) 3
- (d) 5
- (e) None of these

# Test Prime

**ALL EXAMS,  
ONE SUBSCRIPTION**



**70,000+**  
Mock Tests



Personalised  
Report Card



Unlimited  
Re-Attempt



**600+**  
Exam Covered



Previous Year  
Papers



**500%**  
Refund



**ATTEMPT FREE MOCK NOW**

## SOLUTIONS:

### S1. Ans.(c)

**Sol.** The correct choice is option (c) which can be inferred from the first paragraph which mentions, "The rise in smartphone use fuelled by affordable data plans has catalysed an online revolution in the country"

### S2. Ans.(d)

**Sol.** The correct choice is option (d) which can be inferred from the first paragraph which mentions, "The novel coronavirus pandemic has further accelerated the process of digital inclusion, and it is now not only routine to transact online and have food, personal care items or anything else delivered at the one's doorstep, but it is also common to learn online, have medical consultations online, and even resolve disputes online."

### S3. Ans.(d)

**Sol.** To validate the answer, refer to the lines of the second paragraph, "This is because, to sell on numerous platforms, sellers must maintain a separate infrastructure, which only adds costs and limits participation. The distinct terms and conditions of each platform further limit the sellers' flexibility. Consequently, small and medium-sized businesses have lost their freedom to choose and participate in the country's e-commerce system at their will and on their terms."

### S4. Ans.(c)

**Sol.** The correct choice is option (c) which can be concluded from the last lines of the second paragraph which mentions, "The ONDC network makes it possible for products and services from all participating .....This achieves the dual objective of wider choice for consumers on the one hand and access to a wider consumer base for sellers on the other."

### S5. Ans.(b)

**Sol.** The correct word for the given blank is 'access'.

ruckus means a row or commotion.

access means the process of obtaining or retrieving information stored in a computer's memory

excess means an amount of something that is more than necessary, permitted, or desirable.

badass means a tough, uncompromising, or intimidating person.

### S6. Ans.(b)

**Sol.** 'Conversion' is a synonym of 'transformation'

conversion means the process of changing or causing something to change from one form to another.

conservation means preservation, protection, or restoration of the natural environment and of wildlife.

impulsion means a strong urge to do something.

illusion means an instance of a wrong or misinterpreted perception of a sensory experience.



**S7. Ans.(a)**

**Sol.** 'Sparse' is an antonym of 'pervasiveness' given in the passage.

Pervasiveness means the quality of spreading widely or being present throughout an area or a group of people sparse means scanty; in short supply.

vicious means deliberately cruel or violent.

dampen means make less strong or intense.

volatile means liable to change rapidly and unpredictably, especially for the worse.

**S8. Ans.(c)**

**Sol.** 'Engage' means 'participate or become involved in' hence its usage is correct in statements (i) and (iii) .

**S9. Ans.(d)**

**Sol.** 'Vital' means 'absolutely necessary; essential' hence its usage is correct in statements (i) and (ii) .

**S10. Ans.(b)**

**Sol.** 'Entrusted' means 'assign the responsibility for doing something to (someone) ' hence its usage is correct only in statement (iii) .

**S11. Ans.(a)**

**Sol.** The error lies in part (A) . Here 'as well as' should be replaced with 'and' because we always use 'and' with 'both'.

**S12. Ans.(c)**

**Sol.** The error lies in part (C) . Here 'because' should be replaced with 'that' because "the reason" itself mentions the reason and use of 'because' is redundant here.

**S13. Ans.(a)**

**Sol.** The error lies in part (A) . Here possessive pronoun 'their' should be replaced with 'its' for the singular noun 'Shimla'.

**S14. Ans.(c)**

**Sol.** The error lies in part (C) . Here 'then' should be replaced with 'than' because if the second event occurs immediately after the first, we can express that idea using the structure no sooner ... than.

**S15. Ans.(c)**

**Sol.** The error lies in part (C) . Here 'crucially' (adverb) should be replaced with 'crucial' (adjective) to modify noun 'hour'.

**S16. Ans.(c)**

**Sol.** Sentence (D) will be the introductory sentence as it best starts the theme of the paragraph which is demographic structure. Now, sentence (D) will be followed by sentence (F) which mentions the population growth in India in 1960. Now, sentence (F) will be followed by sentence (E) as it further discusses the plunge in growth rate in 2025. Now, sentence (E) will be followed by sentence (A) as it mentions that stability in population isn't around the corner. Finally, sentence (A) will be followed by sentence (C) as it further adds the details about the expected time of population stability achievement. The last sentence will be sentence (B) . Thus, the correct rearrangement of the sentences would be 'DFEACB'.

**S17. Ans.(c)**

**Sol.** Sentence (D) will be the introductory sentence as it best starts the theme of the paragraph which is demographic structure. Now, sentence (D) will be followed by sentence (F) which mentions the population growth in India in 1960. Now, sentence (F) will be followed by sentence (E) as it further discusses the plunge in growth rate in 2025. Now, sentence (E) will be followed by sentence (A) as it mentions that stability in population isn't around the corner. Finally, sentence (A) will be followed by sentence (C) as it further adds the details about the expected time of population stability achievement. The last sentence will be sentence (B) . Thus, the correct rearrangement of the sentences would be 'DFEACB'.

**S18. Ans.(b)**

**Sol.** Sentence (D) will be the introductory sentence as it best starts the theme of the paragraph which is demographic structure. Now, sentence (D) will be followed by sentence (F) which mentions the population growth in India in 1960. Now, sentence (F) will be followed by sentence (E) as it further discusses the plunge in growth rate in 2025. Now, sentence (E) will be followed by sentence (A) as it mentions that stability in population isn't around the corner. Finally, sentence (A) will be followed by sentence (C) as it further adds the details about the expected time of population stability achievement. The last sentence will be sentence (B) . Thus, the correct rearrangement of the sentences would be 'DFEACB'.

**S19. Ans.(e)**

**Sol.** Sentence (D) will be the introductory sentence as it best starts the theme of the paragraph which is demographic structure. Now, sentence (D) will be followed by sentence (F) which mentions the population growth in India in 1960. Now, sentence (F) will be followed by sentence (E) as it further discusses the plunge in growth rate in 2025. Now, sentence (E) will be followed by sentence (A) as it mentions that stability in population isn't around the corner. Finally, sentence (A) will be followed by sentence (C) as it further adds the details about the expected time of population stability achievement. The last sentence will be sentence (B) . Thus, the correct rearrangement of the sentences would be 'DFEACB'

**S20. Ans.(a)**

**Sol.** Sentence (D) will be the introductory sentence as it best starts the theme of the paragraph which is demographic structure. Now, sentence (D) will be followed by sentence (F) which mentions the population growth in India in 1960. Now, sentence (F) will be followed by sentence (E) as it further discusses the plunge in growth rate in 2025. Now, sentence (E) will be followed by sentence (A) as it mentions that stability in population isn't around the corner. Finally, sentence (A) will be followed by sentence (C) as it further adds the details about the expected time of population stability achievement. The last sentence will be sentence (B) . Thus, the correct rearrangement of the sentences would be 'DFEACB'.

**S21. Ans.(d)**

**Sol. I.**  $O > N$  (False)

**II.**  $T > I$  (False)

**S22. Ans.(c)**

**Sol. I.**  $D \leq K$  (False)

**II.**  $E > K$  (False)

**S23. Ans.(d)**

**Sol. I.**  $7 = 6$  (False)

**II.**  $1 > 2$  (False)

**S24. Ans.(a)**

**Sol. I.**  $I > 0$  (True)

**II.**  $M > A$  (False)

**S25. Ans.(d)**

**Sol. I.**  $8 < 1$  (False)

**II.**  $2 > 3$  (False)

**Directions (26-30) :**

**Final arrangement:**

Floors	Persons	States
6	G	Gujarat
5	M	Sikkim
4	R	Punjab
3	D	Tripura
2	N	Karnataka
1	A	Haryana

**Clues:** One person lives between A and the person who belongs to Tripura. The person who belongs to Tripura lives on the third floor. Two persons live between A and R who belong to Punjab.

**Inference:** From the above conditions there are two possibilities i.e., Case 1 and Case 2.

Floors	Case 1		Case 2	
	Persons	States	Persons	States
6				
5			A	
4	R	Punjab		
3		Tripura		Tripura
2			R	Punjab
1	A			

**Clues:** One person lives between D and the person who belongs to Sikkim. R lives above D. A does not belong to Sikkim.

**Inference:** From the above conditions Case 2 is cancelled here as there is no place for D and the person who belongs to Sikkim.

Floors	Case 1		Case 2	
	Persons	States	Persons	States
6				
5		Sikkim	A	
4	R	Punjab		
3	D	Tripura		Tripura
2			R	Punjab
1	A			

**Clues:** The person who belongs to Gujarat lives just above M. The number of persons lives between G and the person who belongs to Punjab is equal to the number of persons lives between N and R. G and A do not live on the adjacent floors. N does not belong to Haryana.

**Inference:** From the above conditions it is clear that G, M and N belong to Gujarat, Sikkim and Karnataka. So, the Final arrangement is:

Floors	Persons	States
6	G	Gujarat
5	M	Sikkim
4	R	Punjab
3	D	Tripura
2	N	Karnataka
1	A	Haryana

**S26. Ans.(c)**

**Sol.** The person who belongs to Karnataka lives on the second floor

**S27. Ans.(c)**

**Sol.** Three persons live below R

**S28. Ans.(d)**

**Sol.** R lives just above D

**S29. Ans.(c)**

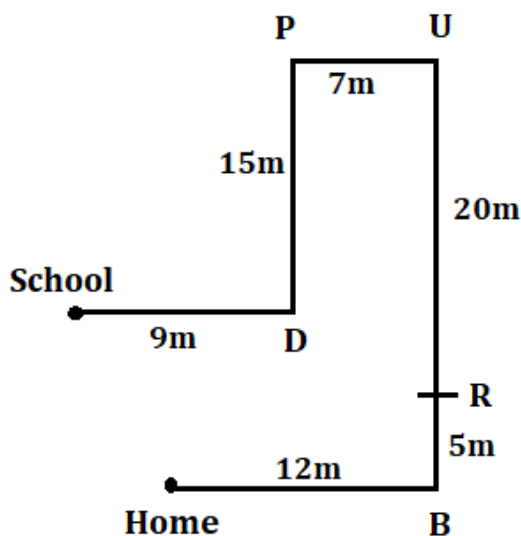
**Sol.** The statement given in option (c) is true

**S30. Ans.(c)**

**Sol.** A belongs to Haryana

**Directions (31-33) :**






**Sol.**



Test

Prime

ALL EXAMS,  
ONE SUBSCRIPTION.

**S31. Ans.(d)**

**Sol.** Required distance =  $12 + 5 + 20 + 7 = 44\text{m}$

**S32. Ans.(a)**

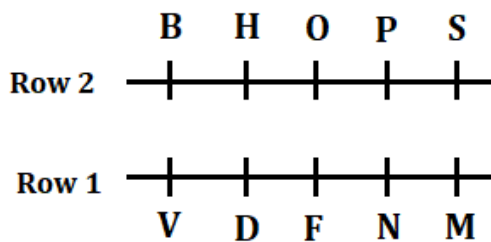
**Sol.** Komal's home is in south-west with respect to D.

**S33. Ans.(b)**

**Sol.** U is in north-east with respect to Komal's school.

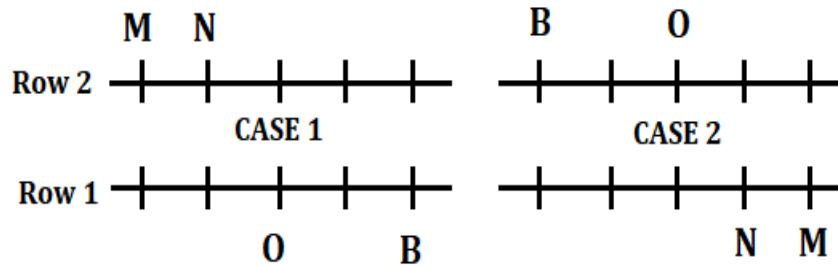
**Directions (34-38) :**

**Final arrangement:**



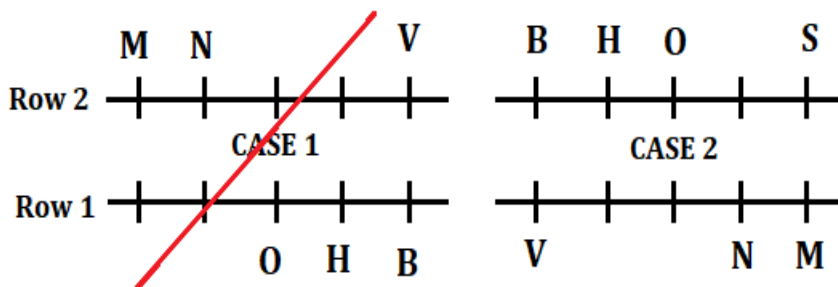
**Clues:** N is the only neighbor of M. B faces the one who sits third to the left of N. One person sits between B and O.

**Inference:** Two possible cases will come out here.



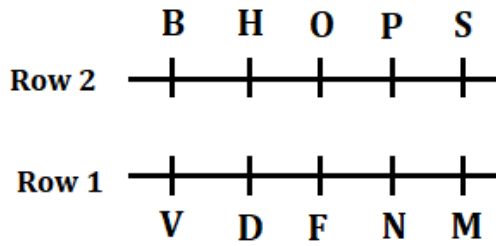
**Clues:** V and O do not sit in same row. H faces the one who sits just right of V. S faces south. S neither faces N nor sits left of N.

**Inference:** Case 1 will cancel here as there is no place for S.



**Clues:** D sits just left of F. P is one of the persons.

**Inference:** Now, the final arrangement is:



**S34. Ans.(e)**

**Sol.** Except F, all persons sit at the ends of the row.

**S35. Ans.(b)**

**Sol.** P sits second to the left of H.

**S36. Ans.(d)**

**Sol.** P sits in row 2, among the given options.

**S37. Ans.(c)**

**Sol.** F faces O.

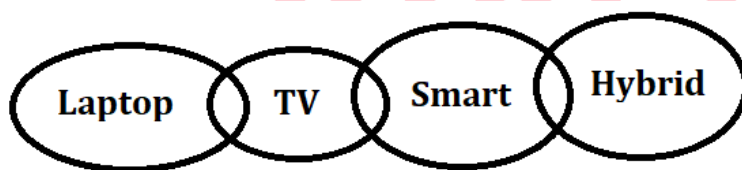
**S38. Ans.(d)**

**Sol.** Three persons sit to the left of N who faces P.

**S39. Ans.(b)**

**Sol.** I. does not follow – As there is no direct relation between Laptop and Smart. So, any definite relation does not follow

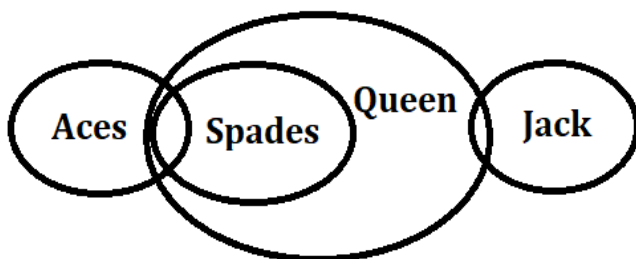
II. follow – As there is no direct relation between Hybrid and TV. So, any definite relation does not follow but is true in the possibility



**S40. Ans.(a)**

**Sol.** I. follow – Some Aces are Spades and all Spades are Queen. So, Some Aces are also Queen

II. does not follow - As there is no direct relation between Jack and Aces. So, any definite relation does not follow



**S41. Ans.(a)**

**Sol.** Here the pattern is:

$$197-13 = 184$$

$$184-26 = 158$$

$$158-39 = 119$$

$$119-52 = 67$$

$$67-65 = 2$$

So, 67 would be the missing term.

**S42. Ans.(c)**

**Sol.** Here the pattern is:

$$13 \times 12 = 156$$

$$12 \times 11 = 132$$

$$11 \times 10 = 110$$

$$10 \times 9 = 90$$

$$9 \times 8 = 72$$

$$8 \times 7 = 56$$

So, 156 would be the missing term

**S43. Ans.(d)**

**Sol.** Here the Pattern is:

$$247 - (5^3 - 1) = 123$$

$$123 - (4^3 - 1) = 60$$

$$60 - (3^3 - 1) = 34$$

$$34 - (2^3 - 1) = 27$$

$$27 - (1^3 - 1) = 27$$

**S44. Ans.(d)**

**Sol.** Pattern of series-

2	2	3	8	35	204
┌──────────┐		┌──────────┐		┌──────────┐	
└──────────┘		└──────────┘		└──────────┘	
x2-2		x3-3		x4-4	
x3-3		x4-4		x5-5	
x4-4		x5-5		x6-6	

So, missing number is 2.

**Solutions. (45-47) :**

Percentage of total vehicles sold by company Q =  $\frac{36}{360} \times 100 = 10\%$

Percentage of total vehicles sold by company R =  $\frac{126}{360} \times 100 = 35\%$

Percentage of total vehicles sold by company S =  $(100 - (25 + 10 + 35)) = 30\%$

Let total vehicles sold by all four companies be 100x

$$100x \times \frac{30}{100} = 240$$

$$x = 8$$

Total vehicles sold by all four companies =  $100x = 800$

Total vehicles sold by company P =  $800 \times \frac{25}{100} = 200$

Cars sold by company P =  $200 \times \frac{40}{100} = 80$

Bikes sold by company P =  $200 - 80 = 120$

Total vehicles sold by company Q =  $800 \times \frac{10}{100} = 80$

Cars sold by company Q =  $80 \times \frac{40}{100} = 32$

Bikes sold by company Q =  $80 - 32 = 48$

Total vehicles sold by company R =  $800 \times \frac{35}{100} = 280$

Cars sold by company R =  $280 \times \frac{40}{100} = 112$

Bikes sold by company R =  $280 - 112 = 168$

Total vehicles sold by company S =  $800 \times \frac{30}{100} = 240$

Cars sold by company S =  $240 \times \frac{40}{100} = 96$

Bikes sold by company S =  $240 - 96 = 144$

Companies	Total vehicles sold	Cars sold	Bikes sold
P	200	80	120
Q	80	32	48
R	280	112	168
S	240	96	144

**S45. Ans.(e)**

**Sol.** Buses sold by company Q =  $\frac{60}{100} \times 240 = 144$

Scooters sold by company Q =  $\frac{19}{36} \times 144 = 76$

Buses and cars sold by company Q =  $144 + 32 = 176$

Scooters and bikes sold by company Q =  $76 + 48 = 124$

Required percentage =  $\frac{176}{124} \times 100 = 141.93 \approx 142\%$

**S46. Ans.(b)**

**Sol.** Cars sold by companies Q & S =  $32 + 96 = 128$

Total vehicles sold by company P = 200

Required percentage =  $\frac{200-128}{200} \times 100 = 36\%$

**S47. Ans.(a)**

**Sol.** Required ratio =  $\frac{120+168+144}{3} : 32$

=  $144 : 32$

=  $9 : 2$



**S48. Ans.(a)**

**Sol.** Let his monthly income be Rs.100x.

Expenditure on house rent =  $20x$

Expenditure on Food =  $\frac{20}{100} \times (100x - 20x) = 16x$

Remaining amount =  $100 - 20 - 16 = 64x$

Amount spent on clothing =  $64x \times \frac{7}{16} = 28x$

ATQ

$28x - 16x = 10800$

$x = 900$

So, Annual income =  $900 \times 100 \times 12 = \text{Rs}1080000$

**S49. Ans.(d)**

**Sol.** Profit sharing ratio of P, Q & R =  $28000 \times 6 + \left(28000 \times \frac{125}{100}\right) \times 6 : 16000 \times 6 + 10000 \times 6 :$

$20000 \times 12$

$= 378000 : 156000 : 240000$

$= 63 : 26 : 40$

Required difference =  $\frac{3120}{40} \times (63 - 26) = \text{Rs.}2886$

**S50. Ans.(b)**

**Sol.** Let cost price of digital watch =  $100x$

So, cost price of analog watch =  $132.5x$

New cost price of analog watch =  $132.5x \times 1.3 = 172.25x$

Selling price of analog watch =  $172.25x \times 1.25 = 215.3125x$

Cost price of analog watch =  $2067 \times \frac{132.5x}{215.3125x}$

= Rs.1272

Cost price of digital watch =  $1272 \times \frac{100x}{132.5x} = \text{Rs.}960$

Marked price of digital watch =  $960 \times \frac{115}{100} = \text{Rs.}1104$

**S51. Ans.(b)**

**Sol.** Let required distance be  $D$  km.

Distance covered by Dev till 12:00 PM =  $42 \times 2 = 84$  km

Time taken by them to meet each other =  $\frac{D-84}{42+28} = 2.5$

So, required distance =  $D = 2.5 \times 70 + 84 = 259$  km

**S52. Ans.(c)**

**Sol.** Let present age of Sheetal be  $3x + 4$  years

And present age of Reena =  $2x + 4$  years

$$\begin{aligned} \text{Present age of Ritu} &= 2 \times (2x + 4 - 8) + 8 \\ &= 4x \end{aligned}$$

$$\text{ATQ, } 4x - 3x - 4 = 12$$

$$x = 16$$

$$\text{So, required age} = 2x + 4 + 7 = 43 \text{ years}$$

**S53. Ans.(c)**

**Sol.** Let the original quantity of milk be  $13x$  and water be  $17x$

So, total original quantity =  $30x$

If 180ml mixture is taken out then remaining quantity of milk and water  
=  $13x - 78$  and  $17x - 102$

ATQ,

$$\frac{13x-78+12}{17x-102+24} = \frac{5}{7}$$

$$7(13x - 66) = 5(17x - 78)$$

$$91x - 462 = 85x - 390$$

$$91x - 85x = 462 - 390$$

$$6x = 72$$

$$x = 12$$

$$\text{So, original quantity} = 30x = 30 \times 12 = 360 \text{ml}$$

**S54. Ans.(a)**

**Sol.** Let total work be 120 units (LCM of 8, 4.8 and  $40/11$ )

$$\text{So, efficiency of A} = \frac{120}{8} = 15 \text{ units/day}$$

$$\text{Efficiency of A + B} = \frac{120}{4.8} = 25 \text{ units/day}$$

$$\text{Efficiency of A + B + C} = 120 \times \frac{11}{40} = 33 \text{ units/day}$$

$$\text{And, efficiency of C} = 33 - 25 = 8 \text{ units/day}$$

$$\text{So, required time} = \frac{120}{23} \text{ days}$$

**S55. Ans.(b)**

**Sol.** Let length of train A be 'l' meter

And length of train B = 'l+40' meter

ATQ

$$\frac{l+l+40}{(54-36) \times \frac{5}{18}} = 88$$

$$2l + 40 = 440$$

$$2l = 400$$

$$l = 200$$

Length of train B = 240 meter

Length of platform =  $240 + 120 = 360$  meter

$$\text{So, required time} = \frac{(240+360) \times 18}{36 \times 5} = 60 \text{ seconds}$$

**S56. Ans.(e)**

**Sol.**  $1260 \div 12 \div 7 + 38 - 30 = ?$

$? = 15 + 38 - 30$

$? = 23$

**S57. Ans.(b)**

**Sol.**  $? = 300 + 343 - 86 \times \frac{50}{100}$

$? = 600$

**S58. Ans.(b)**

**Sol.**

$\frac{24}{100} \times 450 + ?^2 = 256 - 4$

$?^2 = 252 - 108$

$? = 12$

**S59. Ans.(d)**

**Sol.**  $? \times \left( \frac{44}{100} \times 750 + 110 \right) = \frac{88}{100} \times 2500$

$? \times 440 = 2200$

$? = 5$

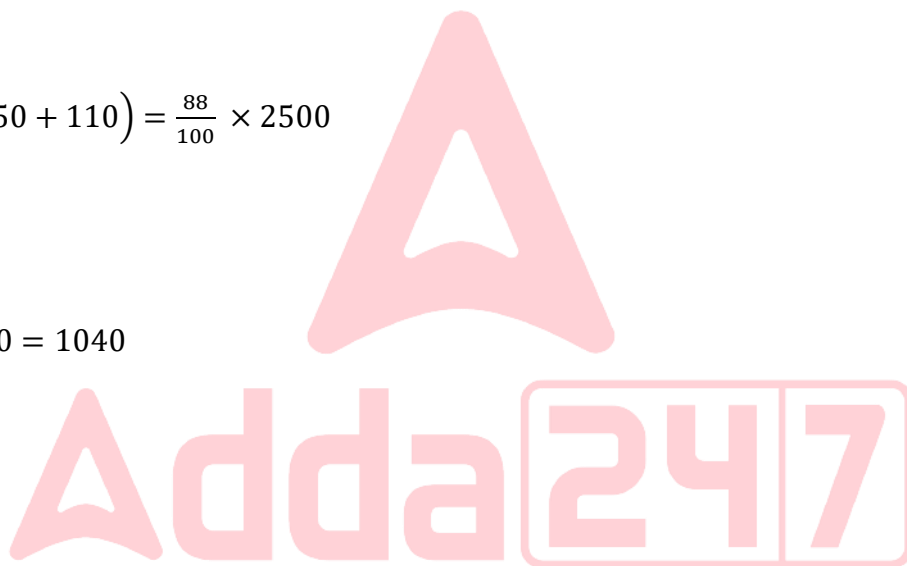
**S60. Ans.(a)**

**Sol.**  $4^? + \frac{80}{100} \times 980 = 1040$

$4^? + 784 = 1040$

$4^? = 256$

$? = 4$



# Test Prime

**ALL EXAMS,  
ONE SUBSCRIPTION**



**70,000+**  
Mock Tests



Personalised  
Report Card



Unlimited  
Re-Attempt



**600+**  
Exam Covered



Previous Year  
Papers



**500%**  
Refund



**ATTEMPT FREE MOCK NOW**