

SBI Clerk Mains Memory Based 2023-2024

Directions (1-2): Italian super - luxury sports car manufacturer Lamborghini has spread its wings in India. And it, has just opened a dealership in Bengaluru, the IT capital of the country. At a price tag of over Rs. 1 Crore, in addition high import duty barriers. Who will buy a Lamborghini car? Rather, what gives the Italian car maker the confidence to not only drive into India but also expand its presence? If super - luxury brand like Lamborghini is sensing an unfolding big opportunity in a New India, other traditional global luxury car makers have turned very ambitious with new launches.

Q1. Which of the following can be inferred from the given statement?

- (a) As IT capital of the country, Bengaluru is the best place to launch a super-luxury car like Lamborghini.
- (b) People of Bengaluru are more inclined towards super-luxury cars.
- (c) After India, the second largest market for super-luxury cars is in the US.
- (d) Both (a) and (b)
- (e) Both (b) and (c)

Q2. Which of the following can be inferred from the given statement?

- (a) Two years ago, the Indian market for super-luxury cars was around \$1 billion.
- (b) Before India, the second largest market for super-luxury cars was in the US.
- (c) After launching its dealership in Bengaluru, Lamborghini's profit annual sales in India are expected to reach \$1 billion.
- (d) Both (a) and (b)
- (e) Both (b) and (c)

Directions: Read the following statements and conclusions. Symbols @, # and \$ are used to denote the following meanings as indicated below. You have to take the given statements to be true even if they seem to be contradictory to commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements.

P@Q - All P are Q

P\$Q - Only P are Q

P#Q - No P are Q

Q3. Statements: Thread \$ Summer; Ranges @ Thread; Ranges \$ Numbers; Numbers @ Hills

Conclusions:

I. Summer @ Numbers

II. Hills # Thread

III. Ranges \$ Hills

- (a) Only I follow
- (b) Only III follows
- (c) Either I or II follows
- (d) Both I and III follows
- (e) Both I and II follows

Q4. Statements: Duck \$ Club; Verst # Duck; Verst @ Pizza

Conclusions:

- I. Pizza @ Duck
- II. Pizza \$ Club
- III. Duck # Pizza
- (a) Only I follow
- (b) Only II follows
- (c) Both II and III follows
- (d) None follows
- (e) Both I and II follows

Q5. Statement

Conclusion

- I. Angel # Ch
- II. String \$ A
- III. Road # T
- (a) Both I and
- (b) Only II fo
- (c) Both II a
- (d) Only I fo
- (e) Both I and

Directions

below:

Nine persons
and so on till
A lives on pr
G and H. H l
floor. Number
floor just ab



Q6. Four of

following d

- (a) Floor 6
- (b) Floor 13
- (c) Floor 5
- (d) Floor 9
- (e) Floor 1

Q7. Who live just below and just above J respectively?

- (a) D, H
- (b) A, G
- (c) G, H
- (d) F, A
- (e) B, G

Q8. How many persons live above E?

- (a) Four
- (b) Five
- (c) Three
- (d) Six
- (e) More than six

Q9. Which of the following statement is true?

I. Two persons live between J and B

II. C does not live below J

III. The numbers of floors above B is same as the numbers of floor below A

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

Q10. If F and H are the persons who live on the top floor, then how many persons live below H?

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

Q11. Which of the following is the cause/effect in respect of the following Premises

- (I) New minister has been appointed to the ministry of Panchayats.
- (II) Hunger has been declared in the state of India against corruption of leaders.
- (III) A RTI has been filed by a MP 2 years ago who had not get Govt. fund for 5 months after becoming MP.

- (a) I is cause and II is effect
- (b) I and II are causes and III is effect
- (c) I is cause and III is effect
- (d) III is cause and II is effect
- (e) None of these

Q12. Read the following statements and answer the question.

(I) Finally, the government has decided to sell off its sick industrial units, which have become a burden to it.

(II) Corruption, inefficiency and red-tapism have led to heavy losses to the government owned industrial units.

Which of the following is true with respect to the above statements?

- (a) Statement I is the cause and Statement II is its effect
- (b) Statement II is the cause and Statement I is its effect
- (c) Both statement I and II are independent causes
- (d) Both statements I and II are effects of independent causes
- (e) None of these

Directions (13-17): A word arrangement machine when given an input line of words rearranges them following a particular rule in each step. The example of input and its rearrangement is given below:

Input: Gold Plus Era Rain Hat Ask Row Bank Bay Join

Step I: Gold Plus Era Rain aks abkn Hat Row Bay Join

Step II: PlusEra Rain aks aby dglo abkn Hat Row Join

Step III: Plus Rain aks aby aer ijno dglo abkn Hat Row

Step IV: Rain aks aby aer aht lpsu ijno dglo abkn Row

Step V: aks aby aer aht orw ainr lpsu ijno dglo abkn

Step V is the last step of the given example. Illustrate the above input arrangement and obtain the steps for the asked input given below:

Input: Ten

Q13. What

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

Q14. How many words are there in the input and step V?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) More than four

Q15. Which of the following word is fourth from the right end in step V?

- (a) mstu
- (b) adln
- (c) entx
- (d) Yen
- (e) aawy

Q16. Which

- (a) mstu
- (b) den
- (c) ikn
- (d) adln
- (e) aawy

Q17. How many words are starts with vowel in step IV?

- (a) Two
- (b) Three
- (c) Four
- (d) Six
- (e) Seven



Directions (18-20): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:

Q18.

Statements: $J \geq K = M < N, O > N = P, Q \leq P \leq R$

Conclusion

I: $J > O$

II: $Q \leq M$

III: $K < R$

- (a) If both conclusions I and II are true.
- (b) None is true.
- (c) If only conclusion I is true.
- (d) If both conclusions II and III are true.
- (e) If both conclusions I and III are true.

Q19.

Statements: $V < W = X \geq Y, Z \leq X = U, T > U = Y$

Conclusion

I: $T > V$

II: $Z \leq W$

III: $Y > W$

- (a) If both conclusions I and II are true.
- (b) If only conclusion I is true.
- (c) If only conclusion II is true.
- (d) If both conclusions II and III are true.
- (e) If both conclusions I and III are true.

Q20.

Statements: $E > F = G > H, I \leq H \leq J, K < I$

Conclusion

I: $E > I$

II: $K < G$

III: $J > G$

- (a) If All I, II and III are true
- (b) If both conclusions II and III are true.
- (c) If only conclusion II is true.
- (d) If both conclusions I and II are true.
- (e) If both conclusions I and III are true.

Q21. If in the given word 'DANGEROUS', if all the vowels replaced by its just next letter and all the consonants replaced by its just previous letter then remove all the repeated letter. After that how many letters between 6th letter from the left and 4th letter from the right according to the alphabetical order?

- (a) 7
- (b) 4
- (c) 2
- (d) 1
- (e) 3

Q22. District Magistrate of City X gave hard hitting remarks at meeting with all the Pradhan "One village in our district is a hotbed of violence pose a threat to the fundamental rights of the people. It has been taken for the culprits."

Which of the following statement can be inferred from above sentence?

- (I) Law and order of India is not under control.
 - (II) The district which is indicated by DM will take strong action against violence.
 - (III) DM of city X is too much concern about violent activity and cannot tolerate it.
- (a) Only I (b) Only III (c) II and III
(d) Only I and III (e) None of these

Q23. Statement I: "The new money cream is better than the old money cream. -An advertisement for a new money cream."

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

- I. Normally the new money cream is better than the old money cream.
 - II. Very few people use the new money cream.
 - III. Very few people use the old money cream.
- (a) None is implicit
(b) Only I and II are implicit
(c) Only I, and either II or III are implicit
(d) All are implicit
(e) None of the above

Directions: Read the following statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the statements and give answer.

Q24. Six boxes are placed one above the other. How many boxes are placed below B?

- I. E is placed three boxes above D. B is placed just above F. One box is placed between D and C.
 - II. Three boxes are placed between A and E. C is placed just below A. Two boxes are placed between C and F. B is placed above D.
- (a) Only I is sufficient
(b) Both I and II together are sufficient
(c) Either I or II is sufficient
(d) Only II is sufficient
(e) Both I and II, even together are not sufficient

Q25. Six persons have different weights to each other. Who among all is 2nd heaviest?

I. B is heavier than A but lighter than C. Only two persons are lighter than A. D is heavier than F but lighter than E. B is heavier than E.

II. Only two persons are heavier than C. D is lighter than C but heavier than A. F is lighter than C and B who is not the heaviest. F is heavier than D but lighter than E.

- (a) Only I is sufficient
- (b) Both I and II together are sufficient
- (c) Either I or II is sufficient
- (d) Only II is sufficient
- (e) Both I and II, even together are not sufficient

Q26. Six persons visit a temple in the month of April, May and June. Who among all is the heaviest?

I. M visits in the month of April. N visits in the month of May. O visits in the month of June. P visits before B is seen. Q visits after N.

II. Two persons visit in the month of April. R visits in the month of May. S visits in the month of June. T visits three days before N. E visits after M.

- (a) Only I is sufficient
- (b) Both I and II together are sufficient
- (c) Either I or II is sufficient
- (d) Only II is sufficient
- (e) Both I and II, even together are not sufficient

Directions: Read the following information carefully and answer the questions given below:

Four persons A, B, C and D start from a starting junction in different directions. A goes 7m in the north to reach at point P. He turns his right and goes 1m to reach at point Q. Now he takes his left and goes 14m to reach at point R. After that he turns his right and goes 1m to reach at point S. Finally, he takes his right and goes 18m to reach his home. B goes 9m north to reach at point T. He takes his left and goes 15m to reach at point U. Now he takes his right and goes 15m to reach at point V. Finally, he goes 14m east to reach his home. C goes 9m east to reach at point H and point F respectively. Finally, he goes 12m west to reach his home. D goes 18m south to reach at point G. He takes his left and goes 14m to reach at point I. Finally, he goes 12m west to reach his home.

Q27. Who ends up farthest from the starting junction?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) Cannot be determined

Q28. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- (a) O-U
- (b) E-X
- (c) G-F
- (d) M-V
- (e) G-W

Q29. Which of the following statement is not true?

I. Total distnace from point U to point V is 53m

II. A's home

III. Point G is

- (a) Both I and II are true
- (b) Only I is true
- (c) Only III is true
- (d) Both II and III are true
- (e) Only II is true

Q30. The total distance from point P to point Q is same as the distance from point ____ and point ____.

- (a) S and P
- (b) M and N
- (c) U and W
- (d) G and D
- (e) C and U

Q31. How far is point Q from his starting point?

- (a) Less than 50m
- (b) Exactly 50m
- (c) Between 50m and 60m
- (d) More than 60m
- (e) Cannot be determined

Directions (32-36): Read the given information carefully and answer the questions based on it:
Eight persons of a family sit in a row facing north. All are related to each other. There are equal number of females and males in the family.

D sits third from an end of the row. C sits second to the left of D. Three persons sit between C and E's spouse. E's spouse is the immediate neighbor of E. L's son sits third to the left of L. Less than two persons sit to the right of L. F sits fourth to the left of F's brother. C's brother sits second to the right of F. G sits second to the right of H's wife. A's mother sits third to the right of A. A's sister and A sit adjacent to each other. One person sits between A's sister and H's daughter. D is neither H's wife nor sister of H.

Q32. How many persons sit between H and A's niece?

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

Q33. What is the position of D's nephew from the left end of the series?

- (a) Fourth
- (b) Third
- (c) First
- (d) Fifth
- (e) Sixth

Q34. Who is the brother of A's aunt?

- (a) H's brother
- (b) C's aunt
- (c) The one who is the brother of A's aunt
- (d) F's sister
- (e) The one who is the brother of A's aunt

Q35. Four of the following are sitting in a circle in the same order as they are given. Who among the following is not sitting in the circle?

- (a) C
- (b) L
- (c) D
- (d) F
- (e) H

Q36. Which of the following is true?

- I. A is female
 - II. L is spouse of A
 - III. C sits just to the left of A
- (a) Only III is true
 - (b) Only II and III are true
 - (c) Only II is true
 - (d) Only I and II are true
 - (e) All I, II and III are true

Q37. The Internet Cafes are incurring heavy loss these days as people prefer to use Internet in their mobiles PCs and Laptops.

Which of the following statements can be an effective course of action?

- (a) The Internet Cafe should be converted into coffee cafe.
- (b) The Internet should be closed and new project should be started there.
- (c) More funds should be invested on the Internet Cafe.
- (d) None of these
- (e) Internet Cafe should be banned.



Q41. Find the code for 'ZENITH'.

- (a) 2&7%72
- (b) 5%7%27
- (c) 2&2%27
- (d) 2&2%77
- (e) 5%2%27

Q42. Find the code for 'INTERPOLE'.

- (a) %77&14@2&
- (b) &20&23%2@
- (c) &24%23@2&
- (d) &27&24@7%
- (e) @72%&

Q43. Which

- (a) 0, 5
- (b) 7, 5
- (c) 0, 6
- (d) 7, 0
- (e) 7, 2

Q44. Which

- (a) SLIDE
- (b) LEAVE
- (c) EQUAL
- (d) MOUNT
- (e) QUITE

Q45. Read

- Six persons go to market in different days. A never staying from Monday to Saturday. The persons go between A and B. A goes on one of the days before C. E goes just after A. The number of persons go before E is same as the number of persons go after B?
- (a) One
 - (b) Two
 - (c) More than two
 - (d) Three
 - (e) None

Directions (46-47): In each question below is given a passage followed by several inferences. You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity. Mark your answer as:

India needs higher investment in the port sector and still lags far behind international ports in container traffic, though there has been considerable growth in this segment over the past few years. There is a need to continually benchmark Indian ports against the best ports worldwide and continue to engage in policy efforts so as to attain prices per container of port services which are the lowest in the world. The average turn-around time for ships docking at most of the ports in India has been falling for the past three years. However, pre-berthing time has been marginally increasing over the years.

Q46. The best port in the world is located in the United States of America.

- (a) If the inference is 'definitely true' i.e., it directly follows from the facts given in the passage;
- (b) If the inference is 'probably true' though not definitely true in the light of the facts given;
- (c) If you think the data are inadequate i.e., from the facts given you cannot say whether the inference is likely to be true or false;
- (d) If you think the inference is 'definitely false' i.e., it contradicts the given facts.
- (e) If you think the inference is 'probably false' though not definitely false in the light of facts given;

Q47. Indian ports have not been graded so far on the international standard.

- (a) If the inference is 'definitely true' i.e., it directly follows from the facts given in the passage;
- (b) If the inference is 'probably true' though not definitely true in the light of the facts given;
- (c) If you think the data are inadequate i.e., from the facts given you cannot say whether the inference is likely to be true or false;
- (d) If you think the inference is 'definitely false' i.e., it contradicts the given facts.
- (e) If you think the inference is 'probably false' though not definitely false in the light of facts given;

Directions

In a certain

P@Q means

P#Q means

P^Q means

P&Q means

P%Q means

P\$Q means

P+Q means

Q48. 'D@CS^Y^*J^Z', which of the following is true in the given expression? true?

I. C is son of

II. J is father

III. S is moth

IV. Y is broth

- (a) Only I and II are true
- (b) Only II, III and IV are true
- (c) Only I and IV are true
- (d) Only II and III are true
- (e) Only II and IV are true

Q49. 'Z\$W^N+A; G@R#H&N', in the given expression, how W is related to H?

- (a) Father-in-law
- (b) Brother
- (c) Uncle
- (d) Brother-in-law
- (e) Father

Q50. Which will in place of '?' which will satisfy the relation that B is niece of Q?

F@U#B&M; L%V^U; Q?V

- (a) %
- (b) Either \$ or +
- (c) \$
- (d) ^
- (e) &

Directions (51-57): In the following passage there are blanks, each of which has been denoted by letters. For each blank each, four words are suggested. Following the words, five options are given. Choose the most appropriate word from the options that fit the blank appropriately.

Global warming is a process of gradual increase in the average temperature of the Earth's atmosphere. It is caused by the accumulation of greenhouse gases in the atmosphere. These gases trap heat from the sun, which warms the Earth's surface. The process of global warming is a natural one, but human activities have accelerated it. The burning of fossil fuels, deforestation, and the release of industrial gases are the main causes of global warming. The effects of global warming are widespread. They include rising sea levels, more frequent and severe weather events, and the melting of glaciers and ice sheets. Global warming is a serious threat to the environment and to human health. It is a global problem that requires global action. The United Nations has established the Intergovernmental Panel on Climate Change (IPCC) to study the causes and effects of global warming. The IPCC has issued several reports, the most recent of which is the Fourth Assessment Report (AR4). The AR4 states that global warming is a real and significant threat to the environment and to human health. It calls for immediate action to reduce greenhouse gas emissions and to adapt to the effects of global warming. The AR4 also calls for a global treaty to address global warming. The treaty would require all countries to reduce their greenhouse gas emissions and to take other measures to combat global warming. The treaty would also establish a global fund to help developing countries adapt to the effects of global warming. The AR4 is a landmark report. It is the first time that the scientific community has reached a consensus that global warming is a real and significant threat to the environment and to human health. It is a call to action for all of us. We must take immediate action to reduce greenhouse gas emissions and to adapt to the effects of global warming. We must work together to protect our planet and our future.

Q51. Which

- (I) Incontrovertible
- (II) Indecisive
- (III) Indubitable
- (IV) moot

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

Q52. Which of the following words will fit in the given blank B?

- (I) Pliant
- (II) Spineless
- (III) Relentless
- (IV) Pertinacious
- (a) Both (II) and (III)
- (b) Only (II)
- (c) Both (I) and (III)
- (d) Only (IV)
- (e) Both (III) and (IV)

Q53. Which of the following words will fit in the given blank C?

- (I) Diminution**
- (II) Escalation**
- (III) Accretion**
- (IV) Constriction**
- (a) Both (II) and (IV)
- (b) Only (IV)
- (c) Both (I) and (III)
- (d) Both (II) and (III)
- (e) Both (I) and (IV)

Q54. Which

- (I) Anodyne**
- (II) Benign**
- (III) Deleterious**
- (IV) Innocuous**
- (a) Both (II)
- (b) Only (III)
- (c) Both (I) &
- (d) Only (IV)
- (e) Both (I)

Q55. Which

- (I) Dire**
- (II) Apocalyptic**
- (III) Propitious**
- (IV) Blithesome**
- (a) Both (I) &
- (b) Only (II)
- (c) Both (I) &
- (d) Only (III)
- (e) Both (III)

Q56. Which of the following words will fit in the given blank F?

- (I) Ancillary**
- (II) Disparate**
- (III) Diacritical**
- (IV) Divisional**
- (a) Both (II) and (III)
- (b) Only (II)
- (c) Both (I) and (IV)
- (d) Only (I)
- (e) Both (III) and (IV)



Q57. Which of the following words will fit in the given blank G?

(I) Scion

(II) Harbinger

(III) Contraindication

(IV) Prelude

(a) Both (II) and (IV)

(b) Only (III)

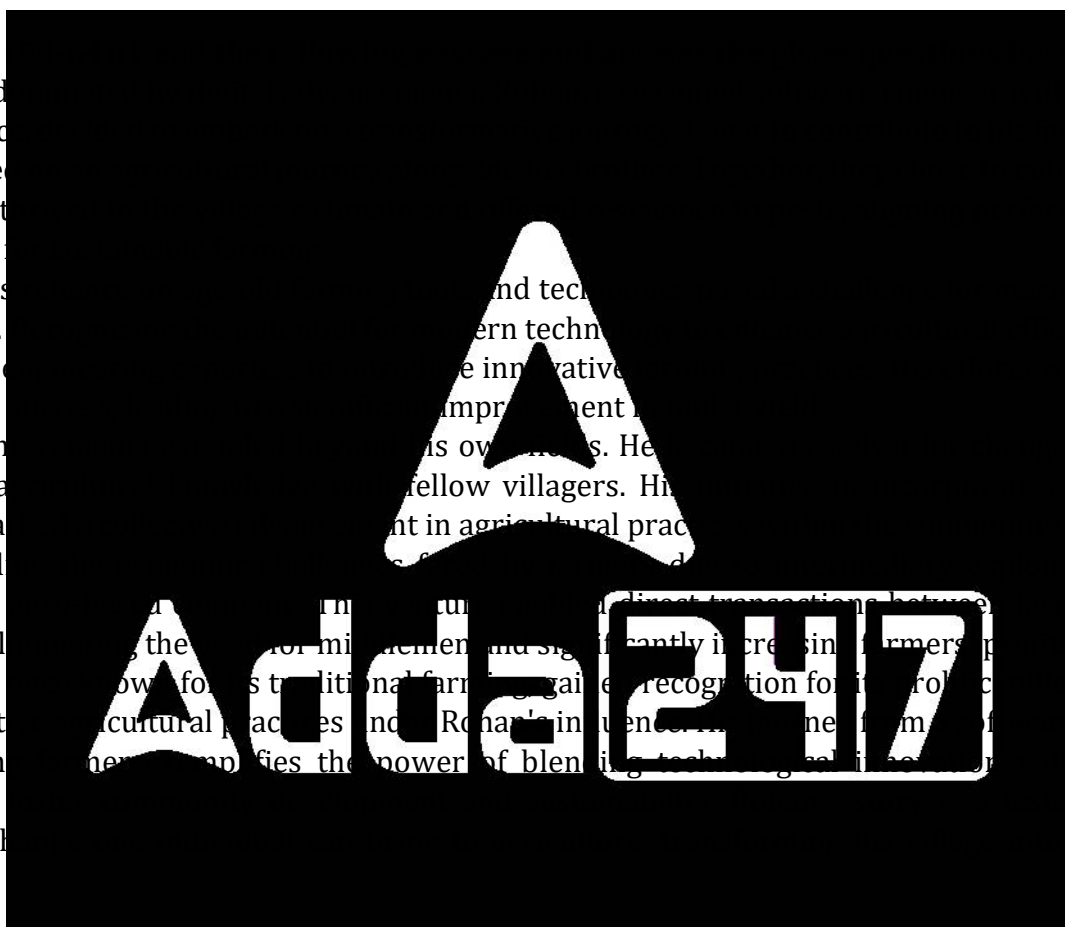
(c) Both (I) and (II)

(d) Only (IV)

(e) Both (I) and (III)

Directions

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Q58. Which of the following statement is CORRECT?

(a) Rohan initiated his agricultural venture with assistance from his father.

(b) The choice to cultivate millets was driven by their higher market prices for farmers.

(c) Millets exhibit resistance to pests.

(d) Engaging in millet cultivation resulted in significant financial losses for the village's farmers.

(e) None of the above statements are correct.

Q59. Which of the following statement(s) is/ are CORRECT based on the passage?

(I) Millets were chosen for their high market price and profitability.

(II) Rohan applied his engineering expertise to overcome the challenges posed by traditional farming methods.

(III) The introduction of innovative farming practices had no significant effect on the community's agricultural practices.

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

Q60. Which statement(s) does NOT align with the details in the passage?

(I) Rohan's decision to cultivate millets was primarily due to their ease of cultivation and low maintenance.

(II) The significant expertise and knowledge of the village elders facilitated the adoption of new agricultural practices.

(III) Rohan's initiative was met with skepticism by many farmers in the village.

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

Q61. Which statement(s) is/ are CORRECT based on the passage?

(I) Rohan realized the need to enhance the community's agricultural productivity.

(II) Direct sales channels were established to eliminate exploitation by intermediaries.

(III) Rohan's passion for agriculture was inspired by his grandfather's legacy.

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

Q62. How did Rohan's agro-based company impact the farming community?

(a) By providing advanced agricultural tools and resources that directly contributed to increased millet production.

(b) Through facilitating educational workshops on innovative farming techniques, leading to widespread adoption among villagers.

(c) By enabling sales channels between farmers and markets, thereby ensuring fairer prices for their produce.

(d) Through the introduction of pest-resistant millet varieties, specifically engineered to thrive in the village's climate.

(e) By cutting out intermediaries, which resulted in a substantial increase in the farmers' profits.

Q63. Based on the passage, why did Rohan choose millets as the crop for his agricultural venture?

- (a) Millets were the most profitable crop in the market at the time.
- (b) He had extensive prior experience in cultivating millets.
- (c) Millets thrived in the village's climate and offered resistance to pests.
- (d) The local government provided subsidies for millet cultivation.
- (e) Millets required less water compared to other crops, making them ideal for the village's dry climate.

Q64. What was the primary challenge Rohan faced when he began his agricultural venture in the village?

- (a) A lack of interest from the village community in adopting new farming methods.
- (b) The village's reliance on age-old farming tools and techniques that limited farming practices.
- (c) Difficulty in procuring quality seeds for millet cultivation.
- (d) Resistance from traditional farmers to try new crops.
- (e) The high cost of fertilizers and pesticides.

Directions

Germany's economic performance in 2023 was characterized by a combination of factors, including a strong labor market, a resilient manufacturing sector, and a steady recovery in consumer spending. The country's GDP growth in 2023 was 0.8%, which was a slight improvement over the 0.7% recorded in 2022. This growth was primarily driven by a recovery in private consumption, which increased by 1.2% in 2023. The manufacturing sector also contributed to the growth, with a 0.5% increase in output. However, the services sector, which is a major part of the German economy, saw a decline of 0.3% in 2023. This was due to a combination of factors, including a decline in tourism and a reduction in government spending. The overall economic outlook for Germany in 2024 is expected to be positive, with a projected GDP growth of 1.2%. This is based on a number of factors, including a continued recovery in private consumption, a strong labor market, and a steady recovery in the manufacturing sector. However, there are still some risks to the outlook, including a potential decline in tourism and a reduction in government spending. The German government is expected to continue its efforts to support the economy, including through a number of fiscal and monetary measures. The overall economic outlook for Germany in 2024 is expected to be positive, with a projected GDP growth of 1.2%. This is based on a number of factors, including a continued recovery in private consumption, a strong labor market, and a steady recovery in the manufacturing sector. However, there are still some risks to the outlook, including a potential decline in tourism and a reduction in government spending. The German government is expected to continue its efforts to support the economy, including through a number of fiscal and monetary measures.

In sum, real GDP is envisaged to register an increment of 0.5% in 2024 and 1.2% in 2025. This signifies a downward revision from the 0.8% posited in the Autumn Forecast for 2024, whilst the outlook for 2025 remains steadfast.

HICP inflation witnessed a retrenchment from its zenith of 11.6% in October 2022 to 6.0% for the totality of 2023, and further to 3.1% in January 2024. This retraction is chiefly attributable to a regression in wholesale energy tariffs and the deployment of energy support mechanisms, which were phased out in November 2023. HICP inflation is forecasted to hit 2.8% in 2024 and 2.4% in 2025, in a manner that is broadly consonant with the Autumn Forecast. The inflationary trend across both years is anticipated to be predominantly driven by the services sector, where a provisional surge in wage growth is expected to perpetuate inflation at an elevated plateau, as was anticipated in the Autumn Forecast of 2023. By contrast, the contribution of energy price increments to inflation is expected to be only nominal in the ensuing period.

Q65. What factors are primarily responsible for the projected attenuation of Germany's economic growth in 2023?

- (I) A reduction in consumer purchasing power due to economic conditions.
 - (II) Increased costs associated with construction and borrowing activities.
 - (III) Persistent labor shortages and elevated energy prices impacting industrial and construction investments.
- (a) Only (I)
(b) Both (I) and (II)
(c) Only (III)
(d) Both (II) and (III)
(e) All (I), (II), and (III)

Q66. What is the projected change in Germany's real GDP growth for 2024 compared to the Autumn Forecast?

- (a) An increase from 1.2% to 1.5% from previous forecasts.
- (b) A decrease from 1.2% to 1.0% in the Autumn Forecast, reflecting a more cautious outlook.
- (c) A constant rate of 1.2% for 2024 and 2025, consistent with the previous outlook.
- (d) An unexpected increase to 1.5% in 2024, significantly higher than the 1.2% forecasted.
- (e) A stabilization at 1.2% in 2024, matching the decline to 1.2% in 2023, more optimistic earlier predictions.

Q67. How is inflation in Germany expected to change from 2023 to 2025, according to the passage?

- (a) Primarily driven by the manufacturing sector due to increased input costs.
- (b) By a significant increase in energy prices, contributing to high overall inflation.
- (c) Predominantly by services sector inflation, which remains at elevated levels.
- (d) Through a combination of factors, including energy and services inflation.
- (e) By the agricultural sector, due to fluctuations in global commodity prices.

Q68. Evaluate the accuracy of these statements in light of the passage:

- (I) Real GDP growth for 2024 has been revised downwards from the Autumn Forecast.
- (II) HICP inflation is expected to remain constant at around 6% through 2024 and 2025.
- (III) Energy price increments are forecasted to be a major driver of inflation in the coming years.
- (a) Only (I)
(b) Both (I) and (II)
(c) Only (III)
(d) Both (I) and (III)
(e) All (I), (II), and (III)

Q69. Which of the following statements is INCORRECT based on the passage?

- (I) Labor market robustness and increased real wages are expected to support private consumption.
 - (II) Exports and imports are projected to grow at differing rates, potentially disrupting trade balance.
 - (III) Fiscal austerity measures are likely to negatively influence near-term economic growth.
- (a) Only (I)
 - (b) Both (I) and (II)
 - (c) Only (II)
 - (d) Both (II) and (III)
 - (e) All (I), (II), and (III)

Q70. What

“More austere”

- (a) Stricter labor market regulations.
- (b) The impact of fiscal austerity on the economic outlook in the near future.
- (c) Tighter government spending policies.
- (d) Increased government spending, as part of a stimulus package to boost economic growth in the short term.
- (e) Fiscal austerity measures and their significant impact on economic growth.

Q71. What

- (a) Finding a balance between economic growth and environmental sustainability.
- (b) Making significant progress in a short amount of time.
- (c) Achieving something that is seemingly impossible or very difficult.
- (d) Balancing economic growth with environmental sustainability.
- (e) Increasing economic growth.

Q72. On a

open window, looking out at the city through the open window, he felt somewhat lethargic that day, his spirits were unexpectedly lifted by a sudden phone call. The caller delivered the exhilarating news that Ratul had been shortlisted for the best performance award for his outstanding work on a recent project. Overwhelmed with happiness, Ratul found himself at a loss for words, unable to articulate the immense joy and surprise he felt at this unexpected recognition.

What the following word can most suitably expresses the feeling of Ratul?

- (a) Ecstatic
- (b) Despondent
- (c) Bewildered
- (d) Insouciant
- (e) Apathetic

Directions (73-75): Rearrange the following sentences in the proper sequence to form a meaningful paragraph.

Q73.

- (A) He immediately set out on a journey to find it, overcoming various obstacles along the way.
(B) Once upon a time, a young man heard a legend about a treasure hidden deep in the forest.
(C) Finally, after days of searching, he discovered the treasure hidden under a giant old tree.
(D) Intrigued by the story, he decided that he must discover this treasure for himself.

- (a) CBDA
(b) CADB
(c) DBCA
(d) ABDC
(e) BDAC

Q74.

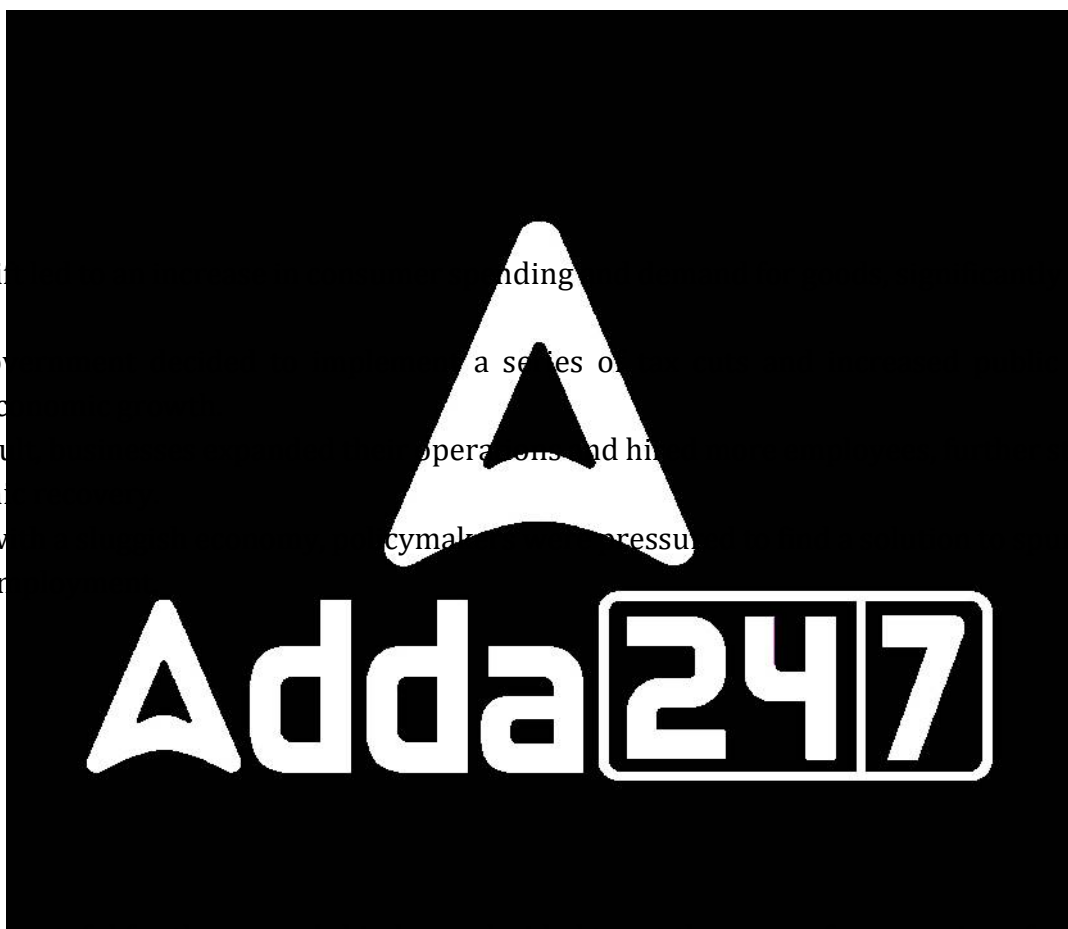
- (A) This shift in policy, aimed at boosting the economy.
(B) The government initiated a series of measures, including increasing public spending to stimulate economic growth.
(C) As a result of these operations, and his efforts, the economy strengthened.
(D) Faced with the challenges of a global economic crisis, the government sought growth and reduce unemployment.

- (a) DBAC
(b) CDAB
(c) BADC
(d) ADCB
(e) ADBC

Q75.

- (A) The cat, grateful for the mouse's kindness, decided to set the mouse free as a sign of gratitude.
(B) Moved by the mouse's plea, the cat released it, and they started to talk, realizing they shared many interests.
(C) Lastly, they became unlikely friends, sharing stories and food, and looking out for each other in the forest.
(D) One day, a cat caught a mouse who begged for its life, promising not to bother the cat again.

- (a) ACBD
(b) DBAC
(c) CBAD
(d) ADBC
(e) BADC



-
- (a) withhold
 - (b) possess
 - (c) reserve
 - (d) retain
 - (e) trust

Q80.

- (A) The weekend getaway to the tranquil mountains seemed to **rejuvenate** her spirit, leaving her feeling refreshed and ready to face the challenges ahead.
- (B) The small community garden, nurtured by the collective efforts of the neighborhood, provided a **sustain** source of fresh produce to local families.
- (C) The company used advanced encryption to **safeguard** client information confidentiality.
- (a) blemish
- (b) impair
- (c) ruin
- (d) preserve
- (e) flaw

Q81. In the

Among the
the highlight

- (A) To **pacify** the angry crowd, the speaker softly rocked the cradle.
- (B) The lavish feast was enough to **satisfy** them content.
- (C) After a long day, she **quenched** their thirst perfectly.
- (a) gladden
- (b) indulge
- (c) aggravate
- (d) blandish
- (e) console

Directions

sentences a
have/ has t

Q82. RIGHT

- (I) Despite the intricate calculations, he decided to **right** his thesis on the quantum theory's implications on temporal paradoxes.
- (II) She exercised her **right** to vote, believing in the importance of contributing to the democratic process.
- (III) He turned **right** at the corner, following the directions to reach the new bookstore downtown.
- (a) Only (I)
- (b) Only (II)
- (c) Only (III)
- (d) Both (I) and (II)
- (e) Both (II) and (III)

Q83. QUERY

(I) Upon encountering an error in the report, she sent a **query** to the IT department seeking clarification and assistance.

(II) After reviewing the database, he formulated a complex SQL **query** to extract the specific information needed for the upcoming project presentation.

(III) She submitted a **query** to the customer service team, hoping for a quick resolution to her issue with the online order.

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

Q84. RELIABLE

(I) As technology advances, the reliability of communication tools is crucial for completing tasks and communicating effectively.

(II) He was a reliable source of information, providing accurate data and reports during the week.

(III) The renewable energy sources are considered reliable for electricity generation, ensuring sustainable energy in our future.

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

Directions

emboldened in the sentence three words are given. Following are words, options are given. Select the best alternatives for the bold word from the given options.

Q85. Given sentence is followed by three words. Select the word which is most appropriate for the blank space in the sentence. **emboldened** in the sentence three words are given. Following are words, options are given. Select the best alternatives for the bold word from the given options.

- (I) scarcely
- (II) probably
- (III) conceivably
- (a) Only (I)
- (b) Both (II) and (III)
- (c) Only (III)
- (d) Both (I) and (III)
- (e) Both (I) and (II)

Q86. He enjoyed the movie, **though** he had already read the book and knew the ending.

- (I) however
- (II) hence
- (III) nevertheless
- (a) Only (I)

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

Directions (87-90): In the following questions, four sentences are provided and you are required to evaluate the grammatical correctness of each statement and select the corresponding option that accurately represents your evaluation.

Q87. (I) Despite the heavy rain, the event proceeded as planned, and many attendees appreciated the dedication shown.

(II) Everyone in the classroom were eagerly waiting for the announcement that the school year was finally over.

(III) The committee's decision to postpone the event was in line with the organization's current priorities.

(IV) Having lifted there mood significantly, the speaker continued with their presentation.

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

Q88. (I) As the deadline loomed, the team worked tirelessly to ensure completion on time, despite the challenges.

(II) The recent study has shown that regular exercise can have significant benefits for mental health.

(III) Each of the participants have their own unique perspective, which they will share during the discussion period next week.

(IV) The novel's intricate plot, combined with the author's attention to detail, makes it a compelling read for entertainment seekers.

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

Q89. (I) In an effort to reduce waste, the city council announced that it will be implementing a new recycling program next month.

(II) The teacher, along with her students, are planning a field trip to the museum to enhance their understanding of history.

(III) Not only does the new policy aim to increase efficiency, but it also seeks to improve the overall customer experience.

(IV) Despite his initial reservations, he found that the course offered valuable insights over the subject, exceeding his expectations.

- (a) Only (III) is incorrect

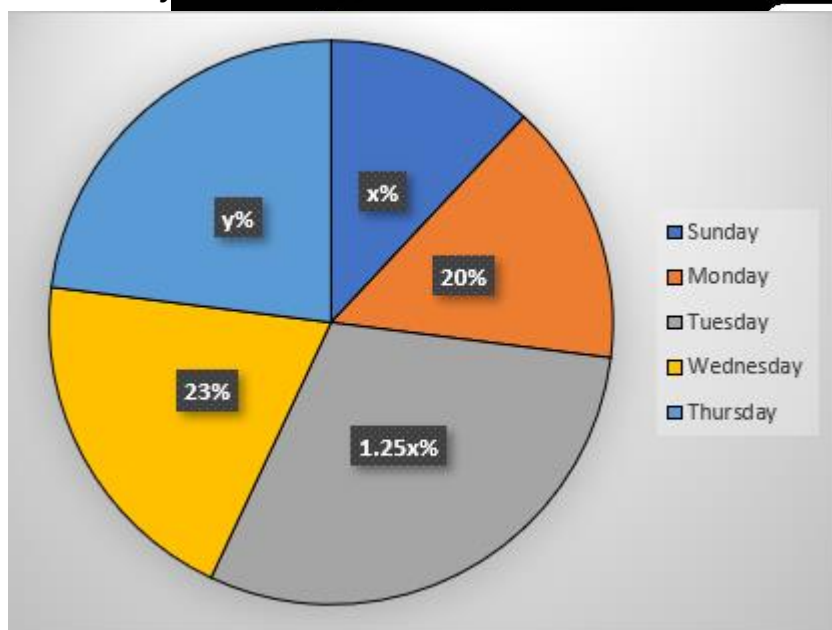
- (b) Both (I) and (IV) are incorrect
 (c) Both (II) and (IV) are correct
 (d) Both (I) and (III) are correct
 (e) All (I), (II), (III) and (IV) are correct.

Q90.

- (I) The research team was surprised to find that their results contradicted previous studies, leading them to further investigate the anomaly.
 (II) Among the many challenges faced by the committee was finding a consensus on the proposed budget, which proved to be more difficult than anticipated.
 (III) The number of people who attended the event was significantly higher than expected, which necessitated additional security measures.
 (IV) Following the event, the committee was praised for its effective planning and execution, indicating the event's success.

- (a) Both (III) and (IV) are correct.
 (b) Both (I) and (II) are correct.
 (c) Both (II) and (III) are correct.
 (d) Both (I) and (IV) are correct.
 (e) All (I), (II), (III) and (IV) are correct.

Directions: The figure below shows the total number of people who visited the mall on five different days. The total number of people who visited the mall on Sunday, Monday, Tuesday, Wednesday, and Thursday is 400. Answer the questions.



Note: (i) The difference between total people visited the mall on Sunday and Tuesday is 12.
 (ii) Total 400 people visited the mall on all five days.

Q91. On Monday, the ratio of males to females visiting the mall was 2:3. If the number of females visiting the mall increased by 25% and the total number of people visiting on Monday remained the same, then the number of males after females is increased are what percentage of total people visited the mall on Tuesday.

- (a) 32.5%
- (b) 16.67%
- (c) 8.33%
- (d) 33.33%
- (e) 65%

Q92. On Wednesday, 30 people watch movie and remaining went to food court in the mall. If females went to food court is equal to total people went to the movie and total male went to food court is 12, then what is the ratio of total males to total females went to movie on Wednesday?

- (a) 3:1
- (b) 1:3
- (c) 2:7
- (d) 7:9
- (e) 1:12

Q93. Total number of people visited the mall on Sunday is 84 and Thursday is 60. If the ratio of total males in Sunday to total males in Thursday is $\frac{1}{13} : 1$, then what is the ratio of total females in Sunday to total females in Thursday?

- (a) 36
- (b) 39
- (c) 60
- (d) 80
- (e) 84

Q94. Ratio of total people visited to mall on Saturday to on Monday and on Tuesday together is 1:2 and male visited on Saturday is 200 more than that total people visited on Sunday. The female visited on Saturday is what percentage of the total people visited the mall in all given days.

- (a) 3.6%
- (b) 1.8%
- (c) 2.5%
- (d) 7.5%
- (e) 6.5%

Q95. Find the difference between maximum and minimum number of people visited to the mall in the given days.

- (a) 72
- (b) 18
- (c) 20
- (d) 30
- (e) 65

Q96. Solve the given two equation (I) and equation (II) and from the roots of these equation find which of the new equation formed.

(I): $x^2 - 10x + 21 = 0$

(II): $y^2 - 24y + 144 = 0$

For making equation one root is taking from (I) and other root taken from (II)

(a) $z^2 - 19z + 84 = 0$

(b) $z^2 - 19z + 36 = 0$

(c) $z^2 - 13z + 36 = 0$

(d) $z^2 - 19z + 30 = 0$

(e) $z^2 - 15z + 84 = 0$

Directions (97-98): Solve the quadratic equation given below and answer the question based on these equations.

(I) $2x^2 - Px + Q = 0$

(II) $4y^2 - Ry + S = 0$

Note: (i) Ro

(ii) Roots of

(A) of the ec

smallest root

Q97. Find t

(a) 6.75

(b) 7.75

(c) 6.25

(d) 4.25

(e) 8.25

Q98. Which

(I) $A + 1.75$

(II) $B + 1.25$

(III) $D - C =$

(a) Both (I)

(b) Only (I)

(c) Only (III)

(d) All (I), (II)

(e) None of



Directions (99-100). One number is wrong, and one number is missing in the given number series. Solve the number series and answer the questions given below.

(I) 0.5, 5, 60, 480, 2880, 11520, P

Q99. Find the wrong number of the series.

(a) 5

(b) 60

(c) 480

(d) 2880

(e) 0.5

Q100. If the wrong number of the series is A, then find which of the statement/s is/are correct.

- (I) $P - 2880 = 4032A$
- (II) P is completely divisible by A
- (III) $P > 4320A$
- (a) Both (I) and (II)
- (b) Only (I)
- (c) Only (III)
- (d) All (I), (II) & (III)
- (e) None of these

Q101. Anv and Rs. P
respectively ed Rs. 300
more. After business by
invested ha the share of
Madhu is R

- (a) Rs. 1530
- (b) Rs. 1600
- (c) Rs. 7000
- (d) Rs. 7500
- (e) Rs. 6500

Q102. A bo stream in 15 hours. A
speed of th rs and the
3 km/hr, th of stream is

- (a) 80
- (b) 70
- (c) 60
- (d) 90
- (e) 50

Q103. If $\frac{A+B}{2} = 12$ and $B + C = 12$, Also $14 \geq A > B > 9$ and $10 \geq B > C > 1$. (Note: A, B and C are the integers)

Quantity (I) Value of $A + 5$

Quantity (II) Value of $2C + B$

- (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

Q104. A person invested Rs. P in a scheme that offers 19.8% interest, which is compounded annually for two years and two days. If the amount received from this scheme is reinvested at the same rate for the same period of time in the same scheme, then he will receive Rs. 792 as interest. Find the approximate value of P.

- (a) 2500
- (b) 1250
- (c) 1450
- (d) 1320
- (e) 1000

Q105. A train crossed a poll in t seconds and the train crossed a platform in (t + 12) seconds. If the sum of the length of the train and the platform is 548 meters. If the length of the train is 200 meters, then find the distance of the platform.

- (a) 280 meters
- (b) 240 meters
- (c) 250 meters
- (d) 160 meters
- (e) 180 meters

Q106. X and Y are two numbers such that $\frac{X}{Y} = \frac{4}{3}$. If we add 40 to the numerator and subtract 40 from the denominator, then both the numerator and the denominator of the fraction are increased by 100%. Then both numbers are equal to X and Y are

- (a) 54
- (b) 64
- (c) 42
- (d) 49
- (e) None of these

Directions (Q107 to Q108): Find the pattern of the series and find the missing number in the given series below.

Series I. a, c, e, g, i, k, m, o, q, s, u, w, y, 9, 922, 101, 1221

Series II. b, d, f, h, j, l, n, p, r, t, v, x, z

Series III. 4, 12, 20, 28, 36, 44, 52, 60, 68, 76, 84, 92, 100, 108, 116, 124, 132, 140, 148, 156, 164, 172, 180, 188, 196, 204, 212, 220, 228, 236, 244, 252, 260, 268, 276, 284, 292, 300, 308, 316, 324, 332, 340, 348, 356, 364, 372, 380, 388, 396, 404, 412, 420, 428, 436, 444, 452, 460, 468, 476, 484, 492, 500, 508, 516, 524, 532, 540, 548, 556, 564, 572, 580, 588, 596, 604, 612, 620, 628, 636, 644, 652, 660, 668, 676, 684, 692, 700, 708, 716, 724, 732, 740, 748, 756, 764, 772, 780, 788, 796, 804, 812, 820, 828, 836, 844, 852, 860, 868, 876, 884, 892, 900, 908, 916, 924, 932, 940, 948, 956, 964, 972, 980, 988, 996, 1000

Q107. Which of the following is/are correct?

- (a) $a+d - c > z$
- (b) $a+d - c < z$
- (c) $a+d = b + z + 102$
- (d) (a) and (c) both are correct.
- (e) (b) and (c) both are correct.

Q108. Which of the following statement/s is/are incorrect.

- (A) d is a prime number.
- (B) a and z both are an odd number.
- (C) c is divided by 7, then the quotient is $\frac{1}{4}$ of b.
- (a) Only (B)

-
- (b) Both (B) and (C)
(c) Both (C) & (A)
(d) Only (C)
(e) Both (A) & (B)

Directions (109-112): Find the approximate value of question mark (?) in the following questions.

Q109. $1259.909 \div 12.106 \div 6.979 + 37.8982 - 29.9023 = ?$

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

Q110. $? + 205.901 - 506.109 = (7.01)^3 - 50.01\% \text{ of } 85.99$

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

Q111. $24.01\% \text{ of } 449.98 + ?^2 = (16.01)^2 - \sqrt[3]{63.93}$

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

Q112. $? \times (4$

- (a) 1
(b) 11
(c) 3
(d) 5
(e) 8

Directions (113-117): Read the information and answer the following questions.

There are four products A, B, C & D.

- Each B and D was marked up by 50% above its cost price.
- The ratio of marked price of B to C is 6:7 and selling price of A is half of the marked price of B. The sum of the marked price of C and D is Rs 810.
- D sold at 10% discount and rest of the products sold at a discount of 15%.

Q113. If total profit percent earned after selling product B is $M\%$, then find the value of M .

- (a) 27.5
- (b) 14.5
- (c) 14.8
- (d) 24.7
- (e) 30.75

Q114. If product A is sold at a profit of 53% and difference between cost price and marked price is Rs 80, then find the selling price of product B (in Rs).

- (a) 244.1
- (b) 242.3
- (c) 245
- (d) 260.1
- (e) 300.1

Q115. The sum of marked price of products B and C is Rs 1326 and cost price of product C is Rs142 more than that of product B, then find the cost price of product C is how much more or less than that of product D (In Rs).

- (a) 441
- (b) 423
- (c) 450
- (d) 486
- (e) 300

Q116. If the sum of marked price of product D and cost price of product B is Rs 733.5, then find the selling price of product D is approximately what percentage that of product A.

- (a) 144%
- (b) 842%
- (c) 735%
- (d) 727%
- (e) 743%

Q117. If sum of the discount percentages given on products A and D is equal to the total profit percentage of product C, then find the marked-up percentage (approx.) of product C.

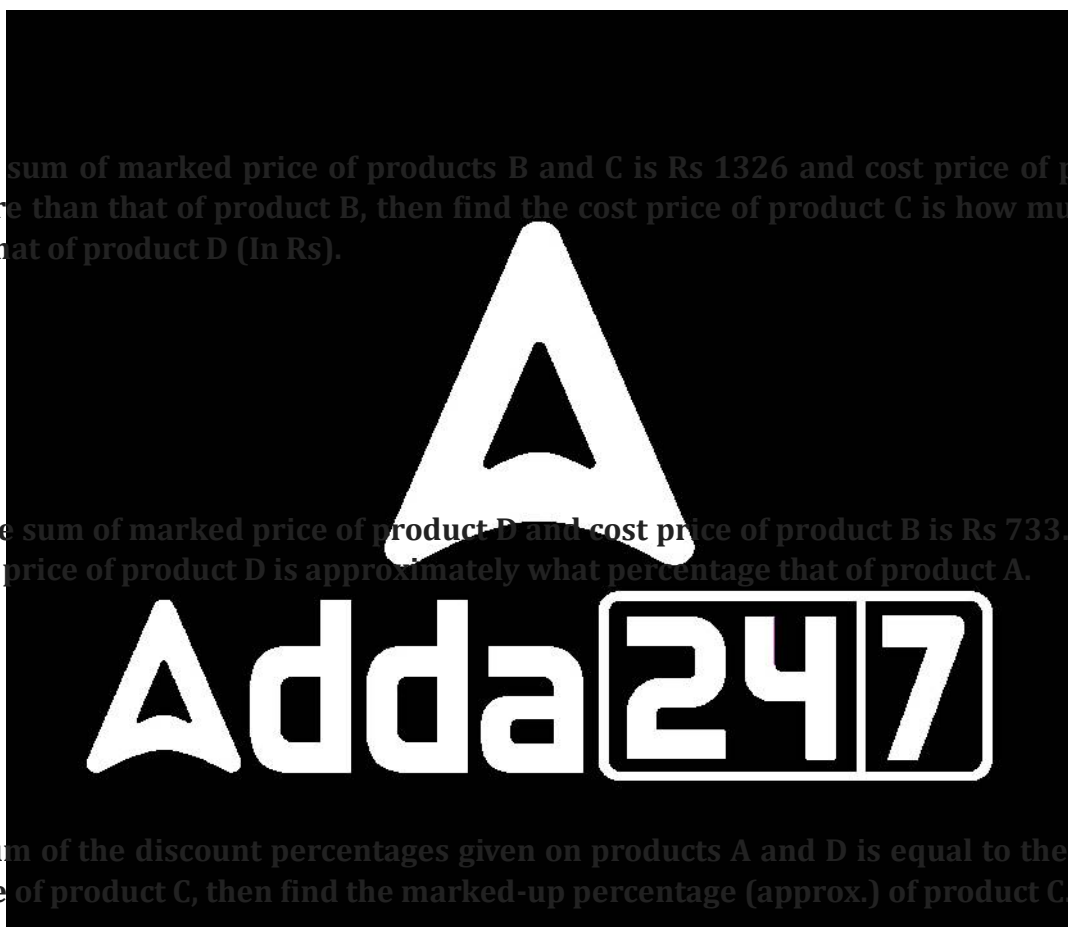
- (a) 39%
- (b) 22%
- (c) 65%
- (d) 47%
- (e) 30%

Q118. An article is marked up by Rs 1225 above its cost price which is ' x '. It sold at a discount of $0.27x$ and the profit earned by the shopkeeper is 8%.

Quantity I: Find the value of Rs $(x - 2500)$.

Quantity II: If cost price of the article is increase by 14.28% and sell at a profit of 25%, then find the profit (in Rs).

- (a) Quantity I > Quantity II



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

Q119.

A and B are an integer.

Quantity I: $\sqrt[3]{(216a^3)} - 2a^4 + 51a$, where $8 \leq a \leq 12$.

Quantity II: $48b + 9 \times 64^{\frac{1}{b}}$, where $2 \leq b \leq 4$.

- (a) Quantity I > Quantity II
 (b) Quantity I < Quantity II
 (c) Quantity I = Quantity II
 (d) Quantity I > Quantity II
 (e) Quantity I < Quantity II

Q120. Find

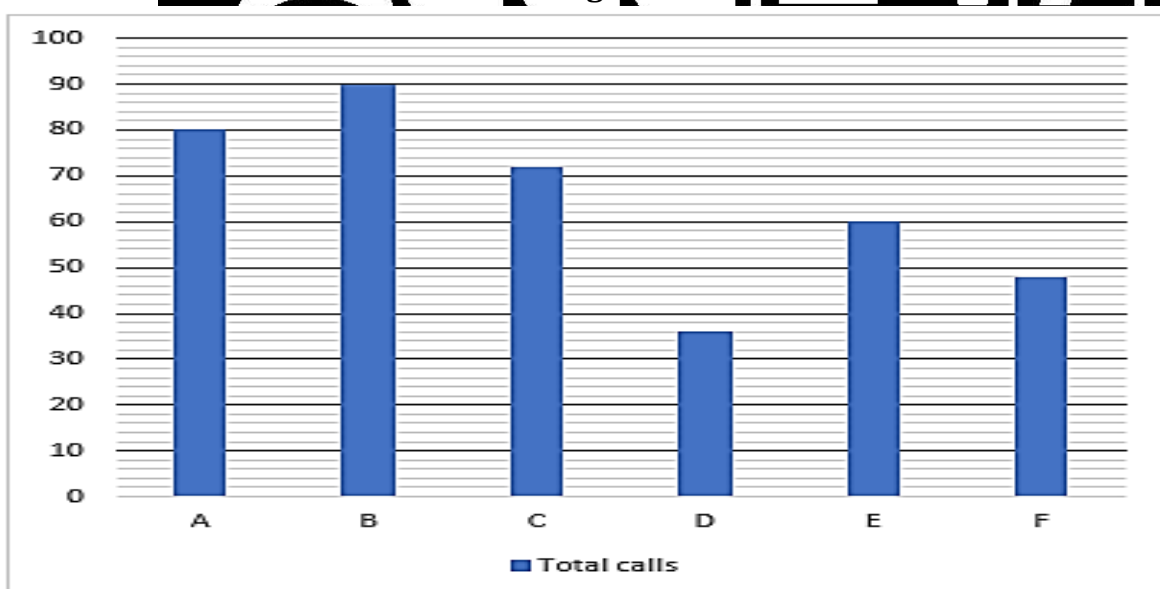
Series I: 1702, A, 1742.5, 1774, 1819, 1882

Series II: $\frac{A}{5}$, 316, 354, 306, 364, B

Find the value of $(B+A+4) \div 20$.

- (a) 119
 (b) 98
 (c) 124
 (d) 105
 (e) 101

Directions (Q. 121-125): Bar graph given below shows the number of total inbound calls (domestic and international) and outbound calls (domestic and international) made by six people (A, B, C, D, E, and F). The table shows the ratio of Inbound and Outbound calls made by these people. Read the information and answer the following questions.



People	Inbound: outbound
A	3:5
B	_____
C	7:5
D	1:3
E	3:2
F	2:a

Q121. For B, outbound domestic calls is 0.75 times than that of inbound and outbound international calls are $\frac{5}{6}$ that of inbound. If the ratio of total outbound call to inbound calls is 4:5, then find the total international calls.

- (a) 55
- (b) 50
- (c) 35
- (d) 40
- (e) 45

Q122. If the difference between inbound and outbound calls made by F is 16, then find the value of a.

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

Q123. If the outbound calls by B is 20% more than that of C, then the inbound calls by B is what percentage of total calls made by E.

- (a) 85%
- (b) 90%
- (c) 75%
- (d) 50%
- (e) 55%

Q124. If total inbound domestic calls by C and D is equal to outbound calls by E and total international calls made by C and D is 44, then find the total domestic outbound calls made them.

- (a) 55
- (b) 50
- (c) 35
- (d) 40
- (e) 20

Q125. If number of inbound international and outbound international calls made by A is square of a positive integer, then find the difference between minimum number of domestic call (inbound and outbound) made by A. (Note: inbound international and outbound international calls made by A are not equal)

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

Directions (126-130): The table shows the number of articles (A, B, C & D) sold, cost price of each article, mark up percentage and total discount given. Read the information and answer the following questions.

Article	Number of articles sold	Cost price of each article (Rs)	Mark up percentage	Total Discount given (Rs)
A	$4x$	$x-5$	$2x\%$	$20x$
B	$y-10$	x	$(y+20)\%$	$12.5y$
C	$2.5y$	$y-10$	$4x\%$	3750
D	$3x$	40	$(y+40)\%$	1500

- Note-** (i) Selling price of article A is one third of the selling price of article C.
(ii) Selling price of article B is double than the selling price of article D.

Q126. If the marked price of total article A is Rs 3000 and 60% of article are not sold then find the total number of article A (sold + unsold). (Note: x is a multiple of 5 and less than 30)

- (a) 250
- (b) 150
- (c) 135
- (d) 240
- (e) 220

Q127. If the selling price of each article A is Rs 5 more than the cost price of each article A and sum of the profit earned on an article A and an article C is Rs 30, then which of the following option/ (s) is/are correct.

- (A) $3x - y = 15$
- (B) Discount given on each article A is Rs.5.
- (a) (A) and (B) both are correct
- (b) Only (A) correct
- (c) Only (B) correct
- (d) (A) correct and (B) incorrect
- (e) (A) incorrect and (B) correct

Q128. Discount given on each article C is Rs15 less than the cost price of each article D. Find the total articles B and C sold.

- (a) 550
- (b) 500
- (c) 350
- (d) 400
- (e) 200

Q129. If the discount given on each article B is Rs 15, then find the marked price of each article B is what percentage of total discount given on article A.

- (a) 4%
- (b) 2%
- (c) 9%
- (d) 1%
- (e) 3%

Q130. Find the ratio between the total discount given on article D to discount given on each article A.

- (a) 300:1
- (b) 1:300
- (c) 200:7
- (d) 7:900
- (e) 11:102

Directions (Q130-131): The following questions are accompanied by two statements. statement (I) and statement (II). You have to determine which statement (s) is/are sufficient to answer the questions.

Q131. Vessel contains mixture of milk and water in the ratio of 17:8. Find the initial solution.

Statement (I): When 15 liters of mixture is replaced by pure milk for the first time, the vessel gets empty.

Statement (II): When 15 liters of mixture is replaced by pure milk for the two times, then the ratio of milk to water in the final mixture becomes 17: 8

- (a) Neither statement (I) nor statement (II) by itself is sufficient to answer the question.
- (b) Statement (II) alone is sufficient to answer the question but statement (I) alone is not sufficient to answer the question.
- (c) Either statement (I) or statement (II) by itself is sufficient to answer the question.
- (d) Both the statements taken together are necessary to answer the questions, but neither of the statements alone is sufficient to answer the question.
- (e) Statement (I) alone is sufficient to answer the question but statement (II) alone is not sufficient to answer the questions.

Q132. The marked price of articles P is $33\frac{1}{3}\%$ more than the marked price of Q. Article P is marked up by $14\frac{2}{7}\%$ above its cost price and allowed 50% of a discount on article Q. What is the cost price of P (in Rs)?

Statement I: On article Q seller makes a profit of 20%.

Statement II: Difference between the cost price of P and selling price of Q is Rs. 200

- (a) Neither statement (I) nor statement (II) by itself is sufficient to answer the question.
- (b) Statement (II) alone is sufficient to answer the question but statement (I) alone is not sufficient to answer the question.
- (c) Either statement (I) or statement (II) by itself is sufficient to answer the question.
- (d) Both the statements taken together are necessary to answer the questions, but neither of the statements alone is sufficient to answer the question.
- (e) Statement (I) alone is sufficient to answer the question but statement (II) alone is not sufficient to answer the question.

Q133. Find

Statement (I): The ratio of the cost price of R and Q is 3:1 respectively.

Statement (II): The ratio of the marked price of R and Q is 3:1 respectively.

- (a) Neither statement (I) nor statement (II) by itself is sufficient to answer the question.
- (b) Statement (I) alone is sufficient to answer the question but statement (II) alone is not sufficient to answer the question.
- (c) Either statement (I) or statement (II) by itself is sufficient to answer the question.
- (d) Both the statements taken together are necessary to answer the question, but neither of the statements alone is sufficient to answer the question.
- (e) Statement (I) alone is sufficient to answer the question but statement (II) alone is not sufficient to answer the question.

Q134. A and B invest 40% of their monthly salary each and saved the rest of their salary. A saved Rs. 6000 and B saved Rs. 4800. If the total expense of A and B is Rs. 20000, find the salary of B. A saved the remaining amount in SIP. If the monthly amount invested in SIP by B is Rs. 1200, find the salary of B. A saved more than that of A, then find the salary of B.

- (a) 7000
- (b) 8200
- (c) 8400
- (d) 8500
- (e) 7500

Q135. A bag contains certain number of pebbles of three different colors (Red, Blue and Green). Number of Red pebbles are 5 and the number of blue pebbles is 6. If the probability of picking a pebble from the bag and pebble comes out to be of green color is $\frac{7}{18}$. Find the probability of picking two pebbles and one pebbles comes out to be of Blue and other is of Red.

- (a) $\frac{3}{5}$
- (b) $\frac{10}{51}$
- (c) $\frac{11}{51}$
- (d) $\frac{9}{53}$
- (e) $\frac{10}{53}$

Q136. Total surface area of the cuboid is 76 cm^2 .

Quantity (I): Ratio of the length and the height of the cuboid is 5: 2 and the breadth is double of the height. Find the cost of painting the floor of the cuboid at the cost of Rs. 20/cm².

Quantity (II): Perimeter of the equilateral triangle formed on the floor of the cuboid is 12 cm. Find the cost of painting triangular part at the cost of Rs 30/cm².

- (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

Q137. The

Firstly, 20 l of milk was removed from the ratio of milk to water. Then the ratio of milk to water was changed to 3:2.

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

Q138. Ratio

upstream is 1:2. The speed of the boat in downstream to upstream is $(\frac{p}{2} + 3)$ km in difference between the two is 8 km. If the speed of the boat in upstream is 8: 5. If the difference between the two is 8 km, then find the distance covered by the boat in still water.

- (a) 32.5 km
- (b) 31.5 km
- (c) 47.5 km
- (d) 37.5 km
- (e) 27.5 km

Q139. The average earning of a group of eight persons is Rs 25 per day. The difference between the person having highest earning and lowest earning in the group is Rs 45. If person having highest and lowest earning are excluded, then the average earning of the group decreased by Rs 2.5. Find the average earning of the group when the three persons whose sum of earnings are equal to the person having highest earning left the group?

- (a) Rs 29
- (b) Rs 28.5
- (c) Rs 30
- (d) Rs 29.5
- (e) Rs 30.5

Q140. 15 boy and 12 girls together can complete a work in 'a' days while 5 boys and 22 girls can complete the same work in 'c' days. Ratio of efficiency of a boy to a girl is 2: 5. Find the possible value/s of a + c where a and c are positive integers.

(I) 18

(II) 8

(III) 28

(IV) 14

(V) 21

(a) Both I and II follows

(b) I, II and III follows

(c) II, III and IV follows

(d) I, III and IV follows

(e) III, IV and V follows

Solutions

S1. Ans.(a)

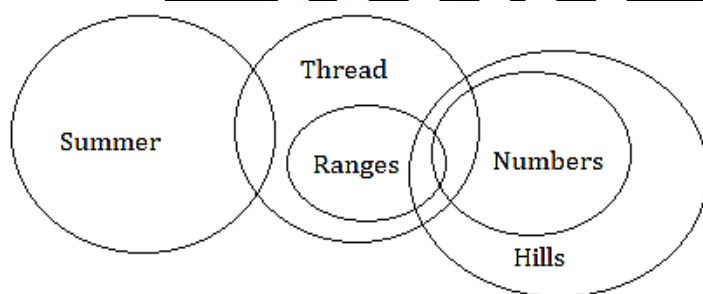
Sol. Statement (I) is true. Statement (II) is true. Statement (III) is true. Statement (IV) is true. Statement (V) is true. Nothing can be said about the other statements.

S2. Ans.(a)

Sol. Only option (a) is correct. The confidence of Italian car makers is not supported by their sales.

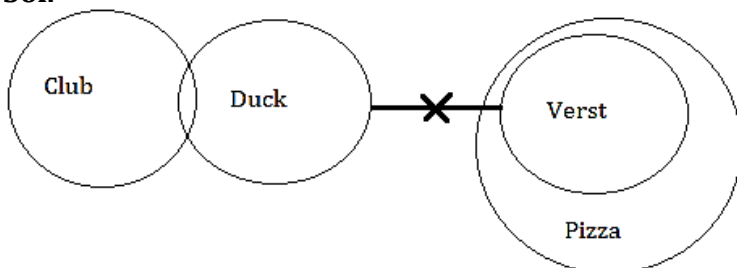
S3. Ans.(b)

Sol.



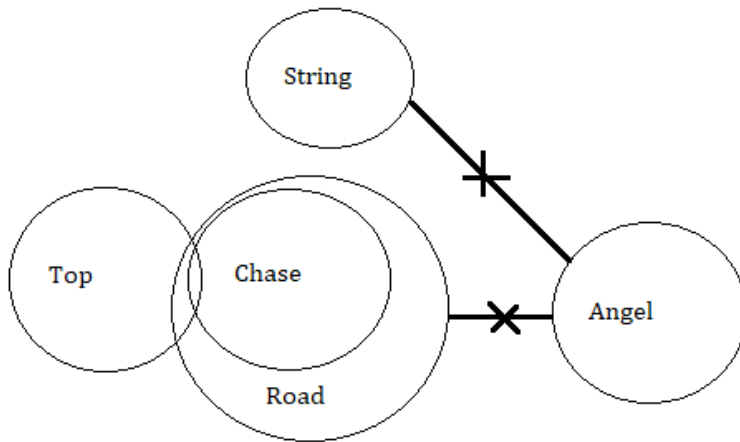
S4. Ans.(d)

Sol.



S5. Ans.(d)

Sol.



S6. Ans.(a)

Sol. Final an

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

Clues- A lives on a prime numbered floor above floor 5. Four floors below when he went down, there was one floor gap between G and him.

Inference-

Floor	Case 1 Person	Case 2 Person	Case 3 Person
13			A
12			
11		A	
10			H
9			
8		H	G
7	A		
6		G	
5			
4	H		
3			
2	G		
1			

Clues- Five floors gap between H and C. C lives below H.

Inference- Here case 1 is ruled out now because C lives above H.

Floor	Case 1 Person	Case 2 Person	Case 3 Person
13			A
12			
11		A	
10	G		H
9			
8		H	G
7	A		
6		G	
5			
4	H		C
3			
2	G	C	
1			

Clues- D lives on an even number of floors between J and H. F lives two floors above D.

Inference- Final arrangement is as follows

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

S7. Ans.(c)

Sol. Final arrangement

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

Clues- A lives on prime numbered floor above floor 5. Four floors gap between A and G. One floor gap between G and H. H lives above G.

Inference- Here we have 3 possible cases

Floor	Case 1 Person	Case 2 Person	Case 3 Person
13			A
12			
11		A	
10			H
9			
8		H	G
7	A		
6		G	
5			
4	H		
3			
2	G		
1			

Clues- Five

Inference-

Floor	Case 1 Person	Case 2 Person	Case 3 Person
13			A
12			
11		A	
10	G		H
9			
8		H	G
7	A		
6		G	
5			
4	H		C
3			
2	G	C	
1			

Clues- D lives on a prime numbered floor. Number of floors above D is same as the number of floors between J and A. Number of floors below D is same as the number of floors between J and A. F lives two floors above D.

Inference-

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

S8. Ans.(d)

Sol.

Final arrangement:

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

Clues- A lives on 11th floor. There is one floor gap between G and A.

Inference-

Floor	Case 1 Person	Case 2 Person	Case 3 Person
13			A
12			
11		A	
10			H
9			
8		H	G
7	A		
6		G	
5			
4	H		
3			
2	G		
1			

Clues- Five floors gap between H and C. Clues between H and C are ruled out now because C lives above H.

Inference-

Floor	Case 1 Person	Case 2 Person	Case 3 Person
13			A
12			
11		A	
10	G		H
9			
8		H	G
7	A		
6		G	
5			
4	H		C
3			
2	G	C	
1			

Clues- D lives on even numbered floor. Number of floors above D is same as the numbers of floors between J and B. E lives on even number floor just above B. No vacant floor between C and B. F lives two floors above D.

Inference- Here Case 2 is ruled out now and the final arrangement is-

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

S9. Ans.(a)

Sol.

Final arrangement

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

Clues- A lives on an odd numbered floor above floor 5. Four floors below where A lives is one floor gap between G and A.

Inference-

Floor	Case 1 Person	Case 2 Person	Case 3 Person
13			A
12			
11		A	
10			H
9			
8		H	G
7	A		
6		G	
5			
4	H		
3			
2	G		
1			

Clues- Five floors gap between H and C. C lives below H.

Inference- Here case 1 is ruled out now because C lives above H.

Floor	Case 1 Person	Case 2 Person	Case 3 Person
13			A
12			
11		A	
10	G		H
9			
8		H	G
7	A		
6		G	
5			
4	H		C
3			
2	G	C	
1			

Clues- D lives between J and F. F lives two floors above J. D lives two floors above J. F lives two floors above J.

Inference- Final arrangement is as follows:

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

S10. Ans.(b)

Sol. Final arrangement is as follows:

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

Inference- Here we have 3 possible cases

Floor	Case 1	Case 2	Case 3
	Person	Person	Person
13			A
12			
11		A	
10			H
9			
8		H	G
7	A		
6		G	
5			
4	H		
3			
2	G		
1			

Inference-

Floor	Case 1	Case 2	Case 3
	Person	Person	Person
13			A
12			
11		A	
10	G		H
9			
8		H	G
7	A		
6		G	
5			
4	H		C
3			
2	G	C	
1			

Inference-

Floor	Person
13	Vacant
12	F
11	A
10	D
9	Vacant
8	H
7	J
6	G
5	Vacant
4	E
3	B
2	C
1	Vacant

S11. Ans.(d)

Sol. In this question we have to find out the cause and effect for making amendments in Public Premises Act.

For Statement I: It is clearly an effect of amendments in Public Premises Act.

For Statement II: This cannot be cause or effect, as there is no role of India against corrupt leader in this.

For Statement III: It may be the cause for making amendments.

S12. Ans.(b)

Sol. The government has decided to sell off its industrial units, because heavy loss was caused by corruption, inefficiency and red-tapism. Hence statement II is the cause and I is its effect.

S13. Ans.(d)

Sol. Two words are arranged in each step – One three-letter word and one four-letter word. Both words are picked according to alphabetical order based on their first letter. After that, these words are placed exactly in the middle of each step (first 3-letter word followed by 4-letter word). Now, the letters in these two words are rearranged in alphabetical order from left within the word.

Input:Ten Only Car Must Land Yen Away Next End Ink

Step I: Ten Only Must Land acr aawy Yen Next End Ink

Step II: Ten Only Must Land acn aawy Yen Next End Ink

Step III:Ten Only acr den ikn mstu adln aawy Yen Next End Ink

Step IV:Only acr den ikn ent entx mstu adln aawy Yen Next End Ink

Step V:acr den ikn ent eny lnoy entx mstu adln aawy Yen Next End Ink

S14. Ans.(b)

Sol. Two words are arranged in each step – One three-letter word and one four-letter word. Both words are picked according to alphabetical order based on their first letter. After that, these words are placed exactly in the middle of each step (first 3-letter word followed by 4-letter word). Now, the letters in these two words are rearranged in alphabetical order from left within the word.

Input:Ten Only Car Must Land Yen Away Next End Ink

Step I: Ten Only Must Land acr aawy Yen Next End Ink

Step II: Ten Only Must Land acn aawy Yen Next End Ink

Step III:Ten Only acr den ikn mstu adln aawy Yen Next End Ink

Step IV:Only acr den ikn ent entx mstu adln aawy Yen Next End Ink

Step V:acr den ikn ent eny lnoy entx mstu adln aawy Yen Next End Ink

S15. Ans.(c)

Sol. Two words are arranged in each step – One three-letter word and one four-letter word.

Both words are picked according to alphabetical order based on their first letter. After that, these words are placed exactly in the middle of each step (first 3-letter word followed by 4-letter word). Now, the letters in these two words are rearranged in alphabetical order from left within the word.

Input: Ten Only Car Must Land Yen Away Next End Ink

Step I: Ten Only Must Land acr aawy Yen Next End Ink

Step II: Ten Only Must acr den adln aawy Yen Next Ink

Step III: Ten Only acr den ikn mstu adln aawy Yen Next

Step IV: Only acr den ikn entx mstu adln aawy Yen

Step V: acr den ikn ent eny lnoy entx mstu adln aawy

S16. Ans.(d)

Sol. Two words are arranged in each step – One three-letter word and one four-letter word.

Both words are picked according to alphabetical order based on their first letter. After that, these words are placed exactly in the middle of each step (first 3-letter word followed by 4-letter word). Now, the letters in these two words are rearranged in alphabetical order from left within the word.

Input: Ten Only Car Must Land Yen Away Next End Ink

Step I: Ten Only Car Must Land Yen Away Next End Ink

Step II: Ten

Step III: Ten

Step IV: Only

Step V: acr

S17. Ans.(e)

Sol. Two wo

Both words

are placed e

letters in the

Input: Ten O

Step I: Ten O

Step II: Ten

Step III: Ten

Step IV: Only

Step V: acr

S18. Ans.(c)

S19. Ans.(a)

S20. Ans.(d)

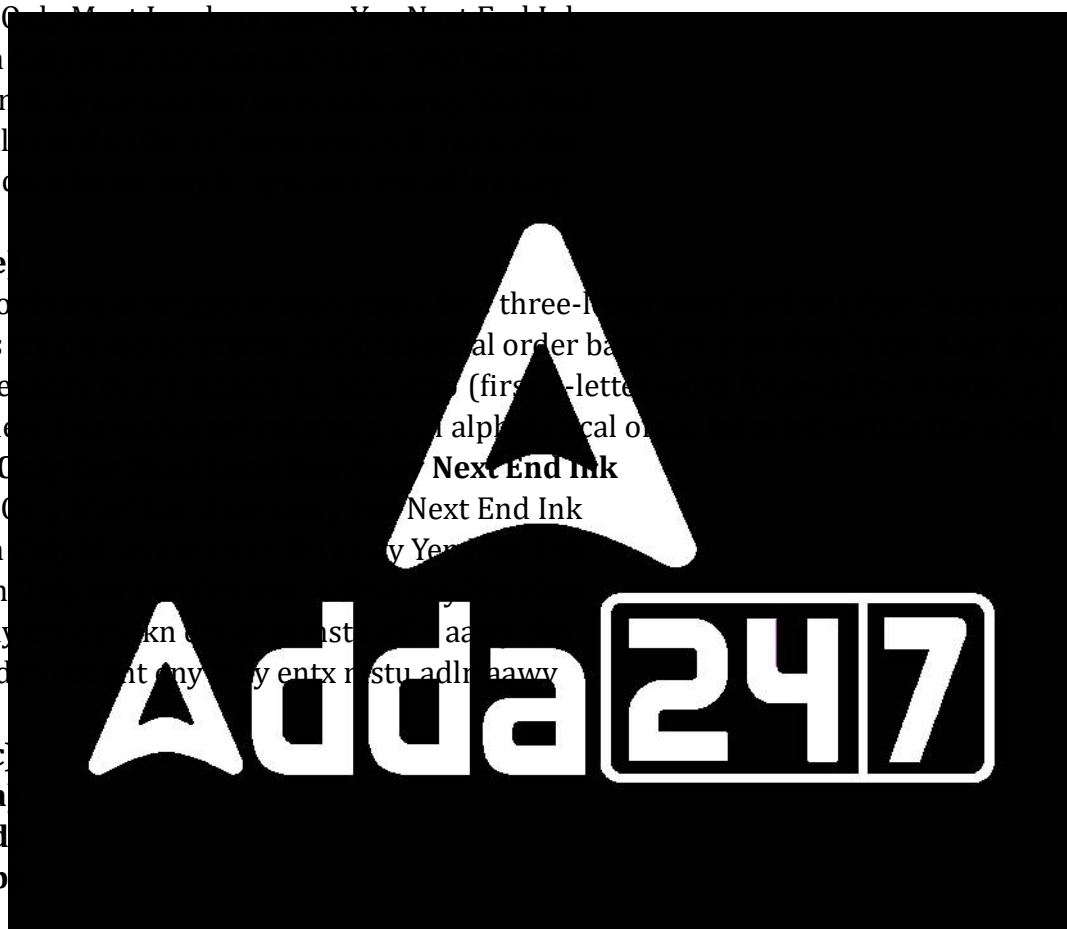
S21. Ans.(b)

S22. Ans.(b)

Sol. Only III can be inferred from above sentences. Situation for one village is mentioned but we can't consider it for whole country. 2nd one may be an assumption or course of action, but it cannot be inferred. From the statement of DM that "We will not tolerate violence in city. Strict action will be taken for the culprits" it can clearly inferred that DM of city X is too much concern and cannot tolerate violence.

S23. Ans.(e)

Sol. Any advertisement highlights only the desirable qualities of the product. So, I is implicit. The 'X' brand has advertised its product in newspaper A. This implies that a large section of people reads advertisements in newspapers and that news-paper A too has huge circulation and coverage. So, neither II nor III is implicit.



S24. Ans.(d)

Sol.

From only II –

Boxes
E
B
F
D
A
C

S25. Ans.(c)

Sol. From only I –

From only II –

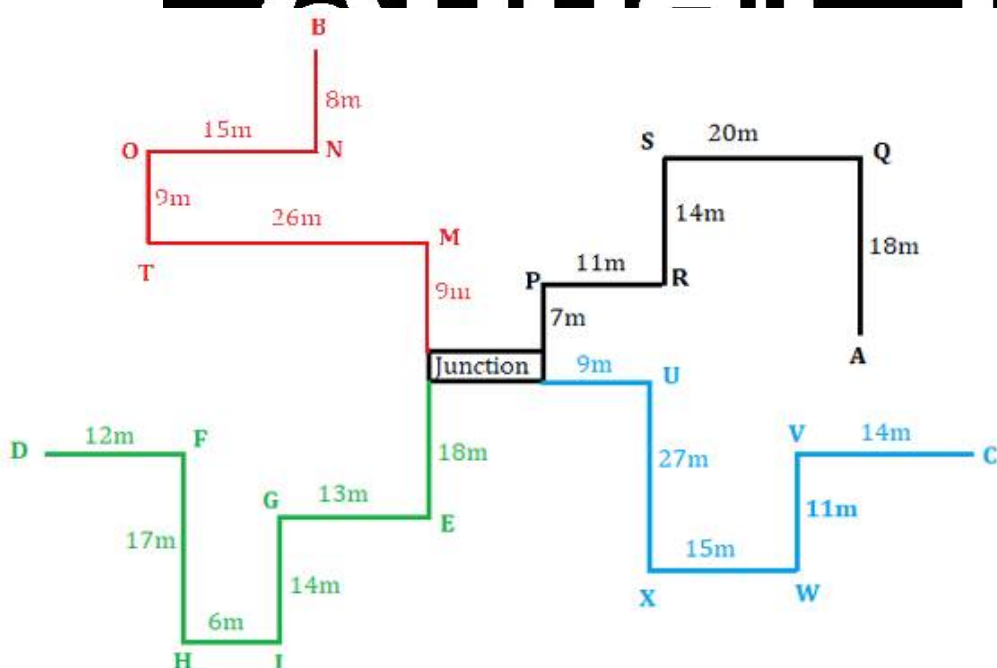
S26. Ans.(b)

Sol. From I –

Months	Persons
January	E
February	D
March	B
April	G
May	N
June	M

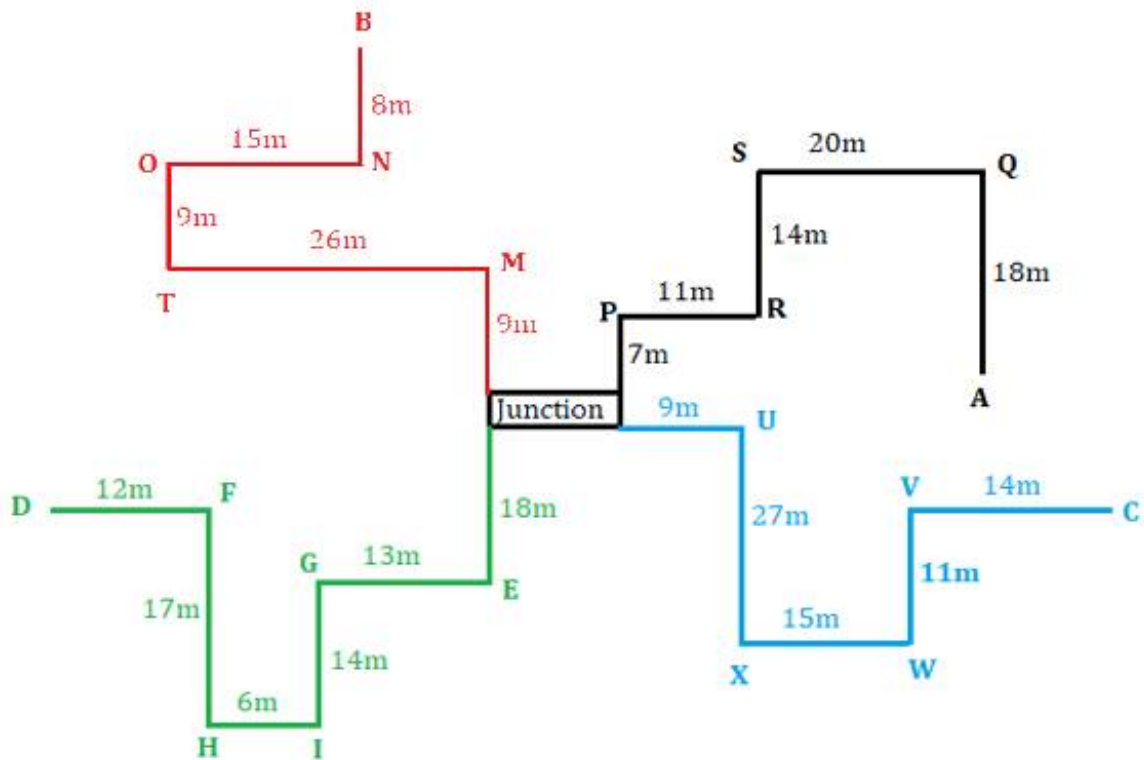
S27. Ans.(d)

Sol.



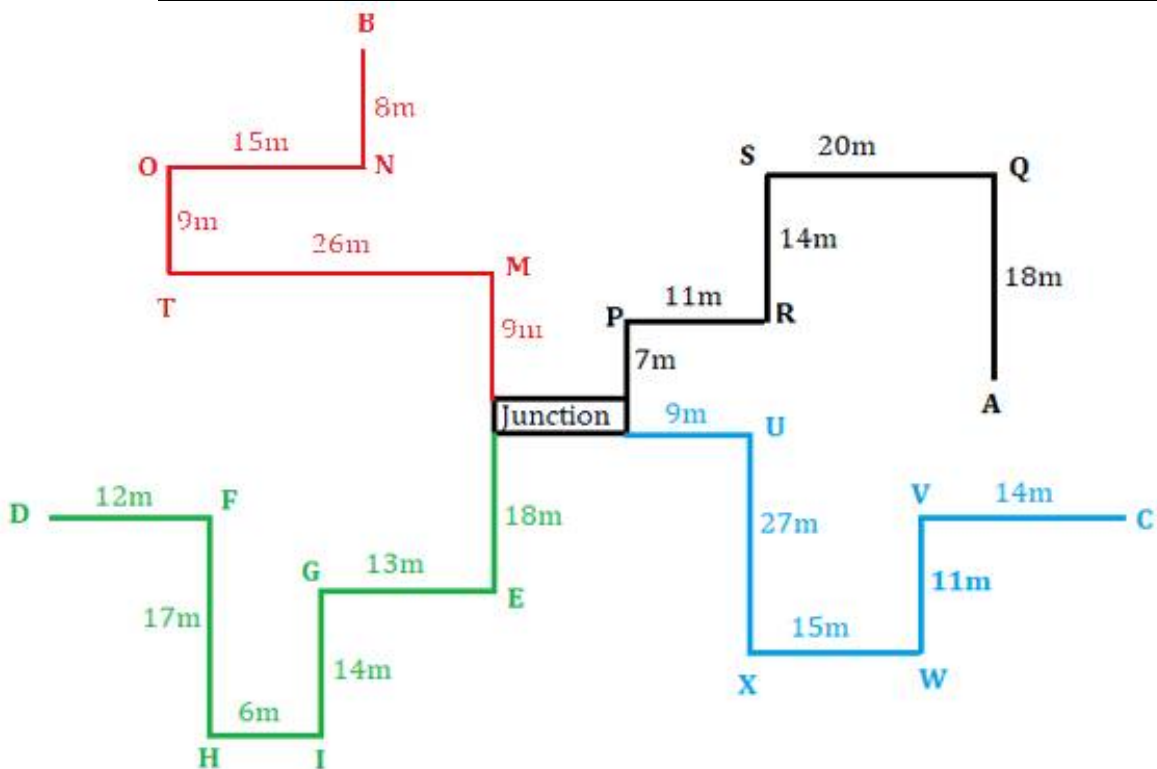
S28. Ans.(c)

Sol.



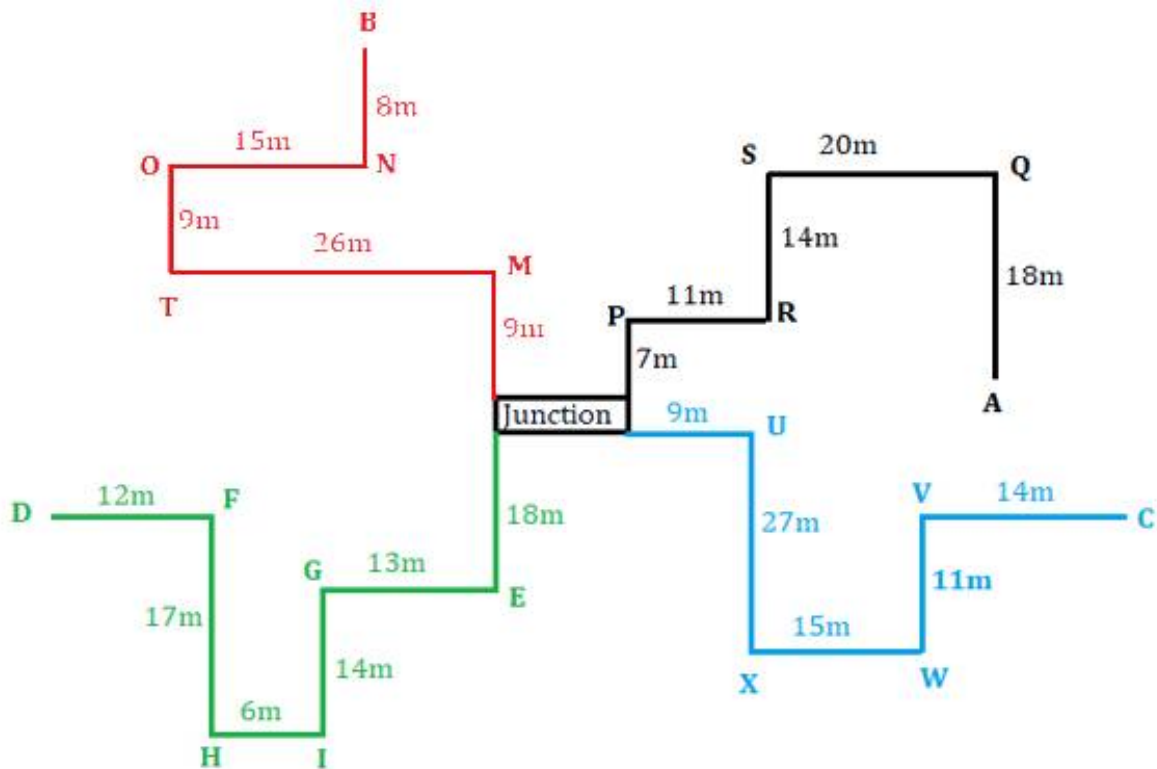
S29. Ans.(c)

Sol.



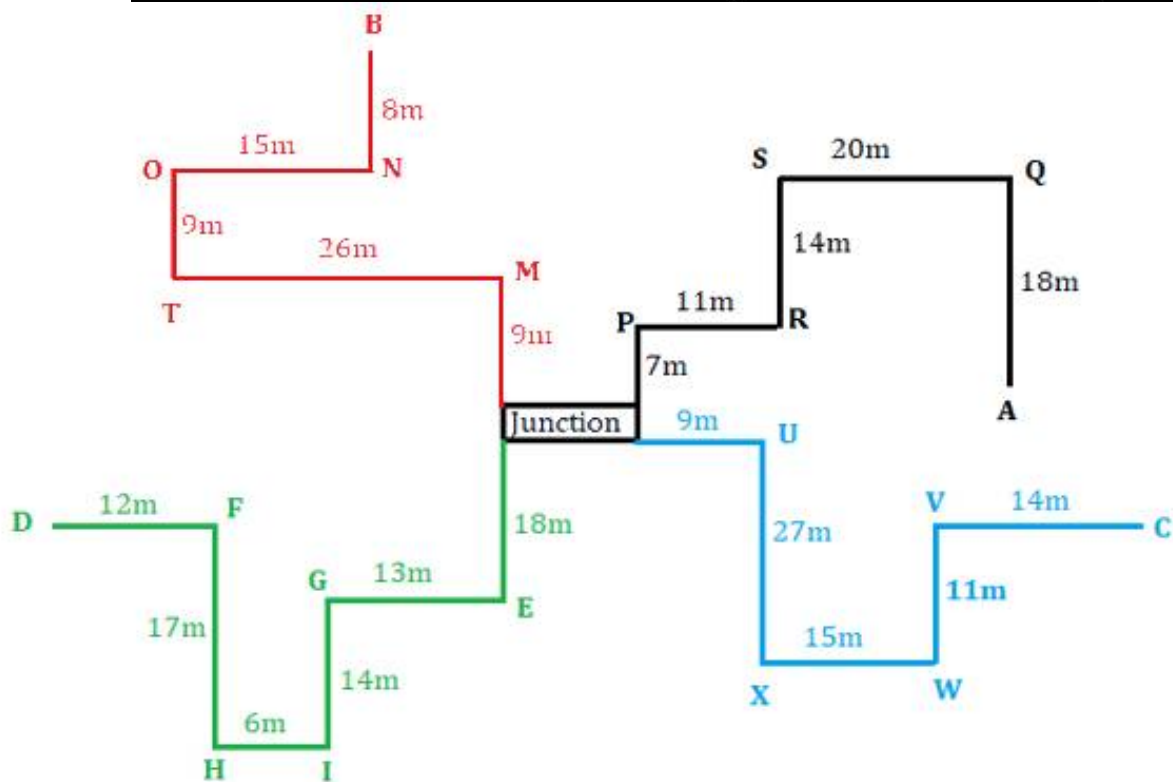
S30. Ans.(b)

Sol.



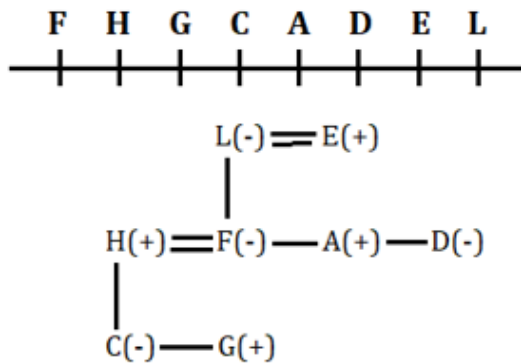
S31. Ans.(d)

Sol.



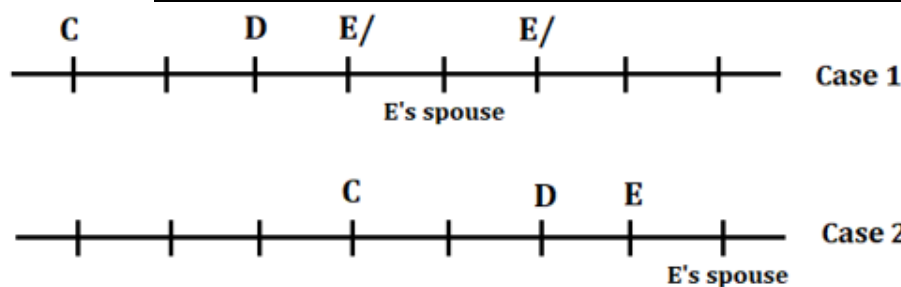
S32. Ans.(b)

Sol. Final arrangement:



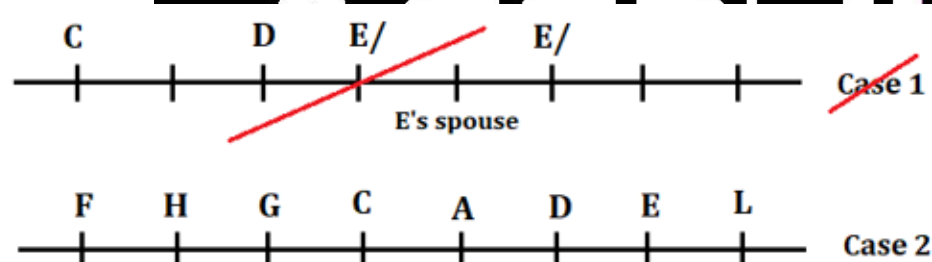
Clues: D sits between C and E's spouse. E's spouse sits between C and

Inference:

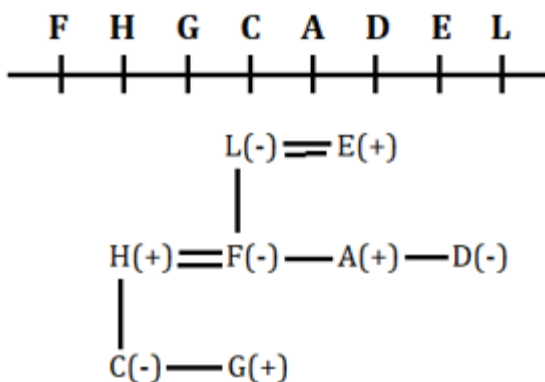


Clues: L's spouse sits more than two persons to the left of F's brother. The right of E G sits spouse. A's mother sits third to the right of E's spouse. A's sister sits between A's sister

Inference:

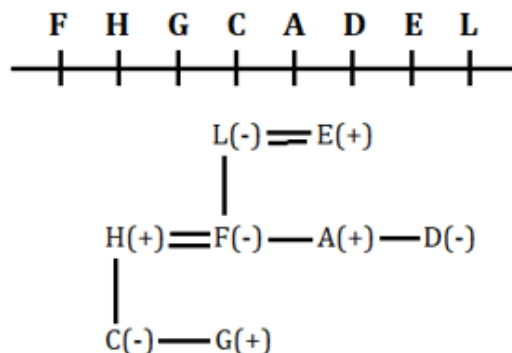


Inference: Now, the final seating arrangement and family relation is:



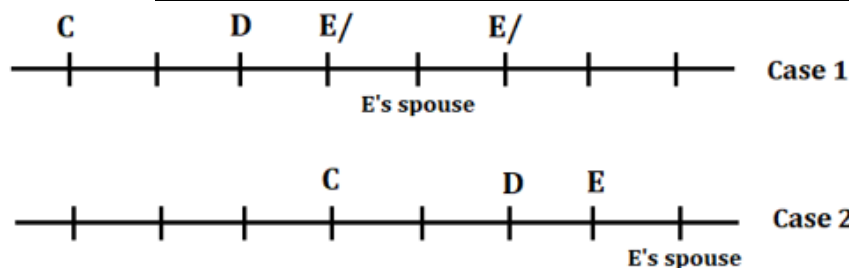
S33. Ans.(b)

Sol. Final arrangement:



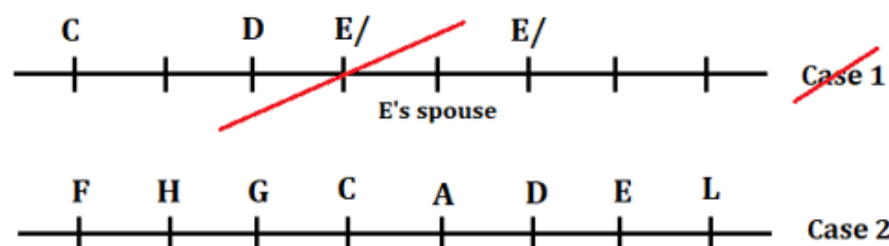
Clues: D sits between C and E's spouse. E's spouse sits between C and

Inference: V

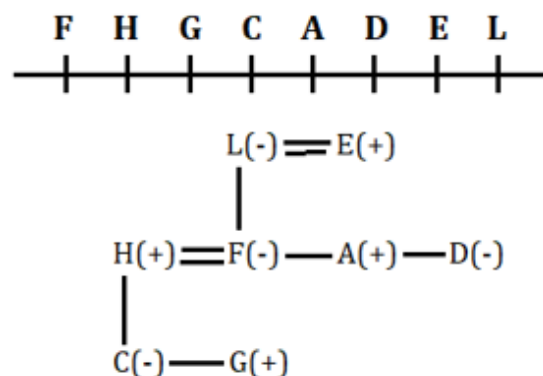


Clues: L's so... than two persons... to the left of F's brother... the right of E. G sits so... A's mother... A's sister... and H's daughter... H's sister...

Inference: C and A can't be here.

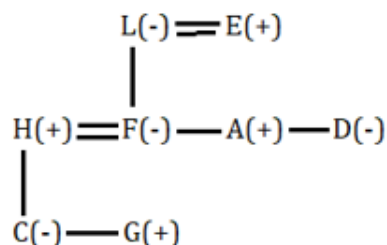
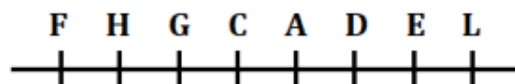


Inference: Now, the final seating arrangement and family relation is:



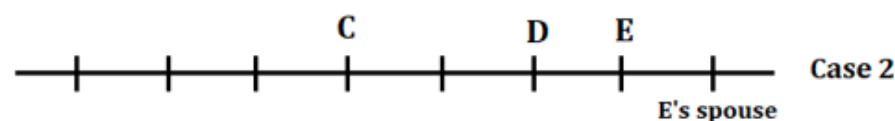
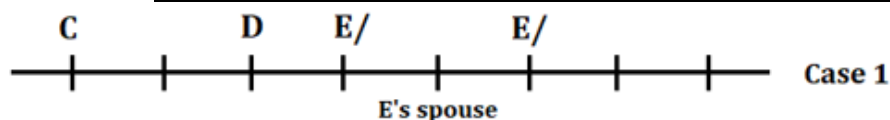
S34. Ans.(e)

Sol. Final arrangement:



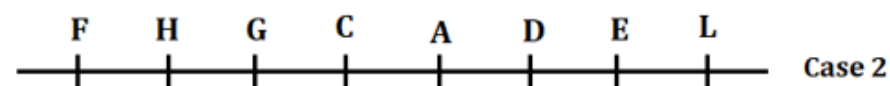
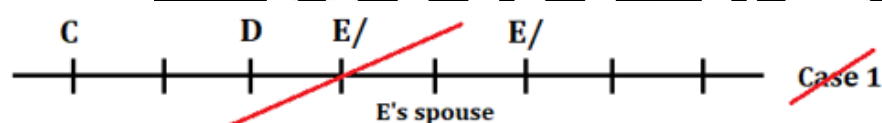
Clues: D sits between C and E's spouse. E's spouse sits between C and

Inference: V

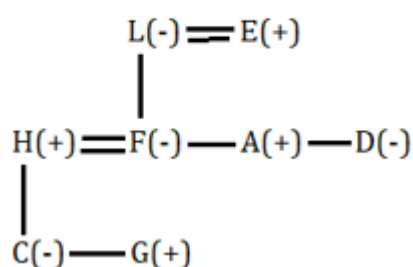
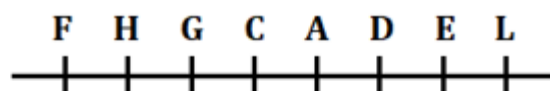


Clues: L's son sits less than two persons to the left of F's brother. The rightmost sits second to the left of A's mother. A's mother sits third to the left of H's daughter. H's daughter sits between E's wife and D.

Inference: C will come here.

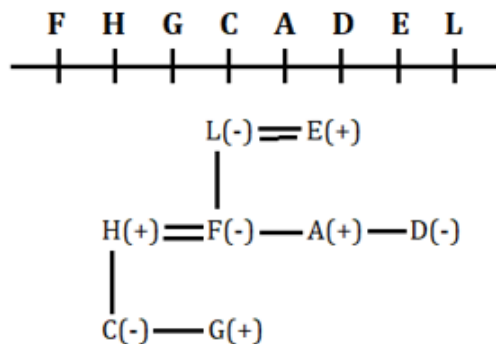


Inference: Now, the final seating arrangement and family relation is:



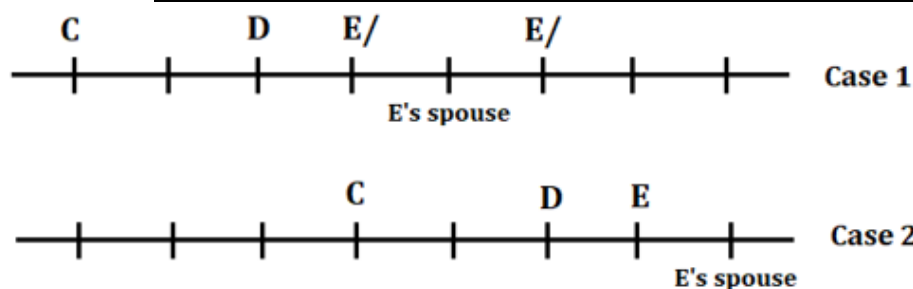
S35. Ans.(e)

Sol. Final arrangement:



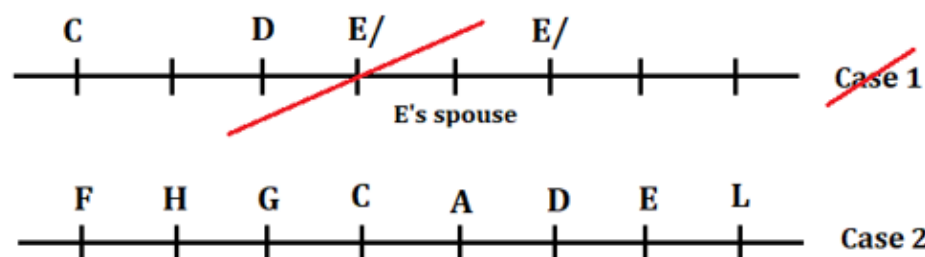
Clues: D sits between C and E's spouse. E's spouse sits between C and

Inference: V

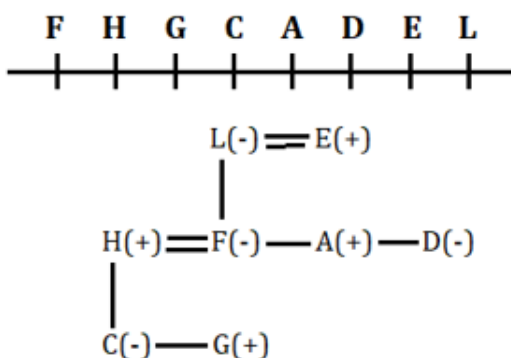


Clues: L's spouse sits more than two persons to the left of F's brother. The right of E, G sits second to the left of A's mother. A's mother sits third to the left of H's daughter. H's daughter sits first to the left of A's sister.

Inference: C and G can't sit here.

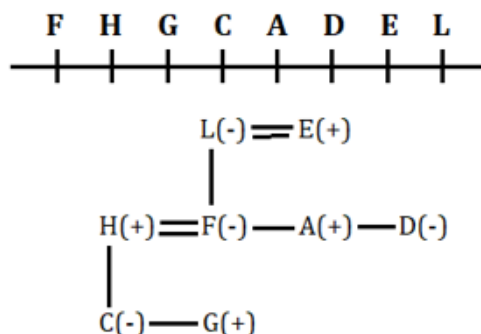


Inference: Now, the final seating arrangement and family relation is:



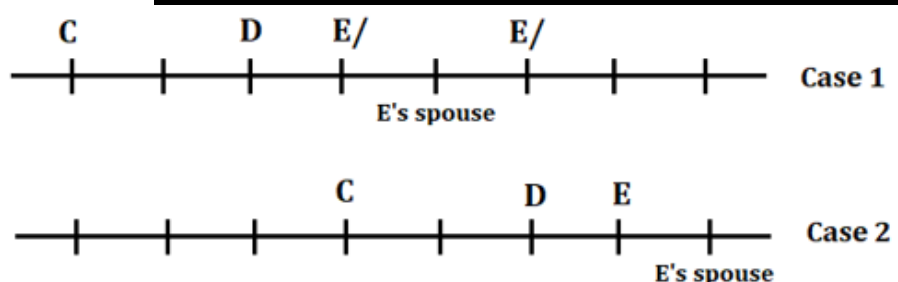
S36. Ans.(b)

Sol. Final arrangement:



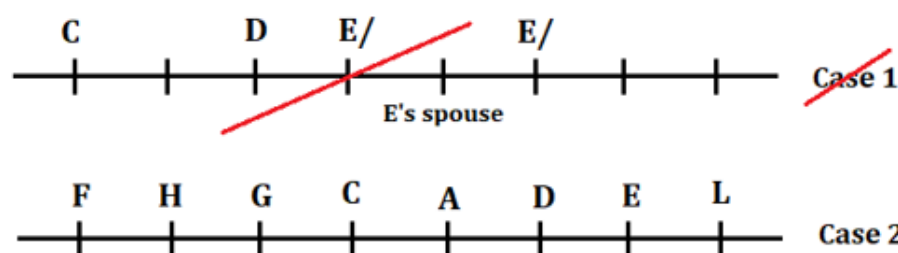
Clues: D sits between C and E's spouse. E's spouse sits third to the left of F. A sits between A's sister and H's daughter.

Inference: ...

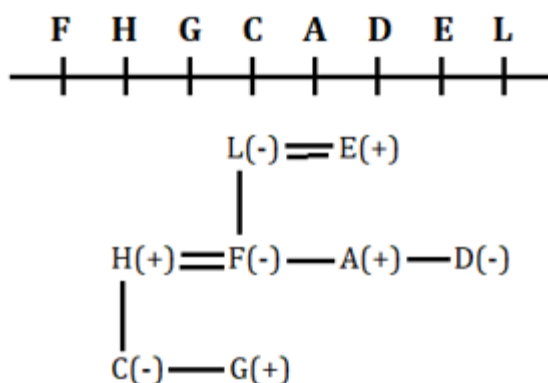


Clues: L's son sits between two persons. L sits to the left of F's brother. G sits to the right of F. G sits between A's mother and H's daughter. A sits between A's sister and H's daughter.

Inference: ...



Inference: Now, the final seating arrangement and family relation is:



S37. Ans.(d)

Sol. It can't be a better course of action to convert the Internet Cafe into Coffee Cafe. Also a new project at the place of internet cafe after diminishing it can't be a rational course of action. More investment in loss making project is also not rational without a strong strategy, and the 5th statement is illogical – not a good course of action.

S38. Ans.(c)

Sol. (a) Calling back officials on the basis of this attack will send a strong message to the international community and might even show that terrorist have been successful in their purpose.

(b) Proceeding ICJ is absurd as it is not known if the Afghan government was actually involved in the attack.

(c) Asking the Afghanistan Government to ramp up the security of its officials as this will help ensuring the security of its officials.

(d) Advising the officials to stay indoors is not a right way to respond to the terrorist attack and shows a sense of helplessness.

S39. Ans.(b)

Sol. Differen

S40. Ans.(a)

Sol. Conditio

S41. Ans.(c)

Sol. Conditio

S42. Ans.(b)

Sol. Conditio applica

S43. Ans.(e)

Sol. Conditio

S44. Ans.(c)

Sol. Condition 2 applied

S45. Ans.(d)

Sol.

Days	Persons
Monday	F
Tuesday	A
Wednesday	E
Thursday	B
Friday	D
Saturday	C

S46. Ans.(c)

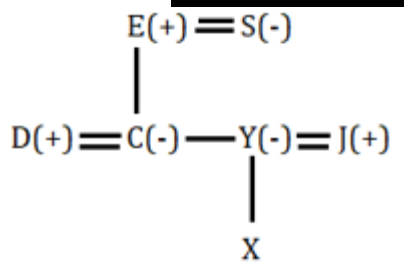
Sol. Data inadequate There is no mentioning about the best port being in United States of America. It can be anywhere in the world.

S47. Ans.(b)

Sol. Probably true the whole paragraph points towards the lagging behind of the Indian ports, according to international standards. But nowhere in the paragraph "grading" term has been used so the statement is probably true according to the trend of the paragraph.

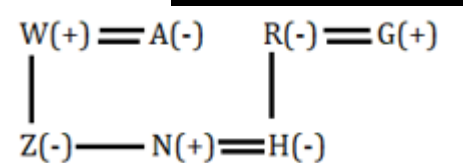
S48. Ans.(d)

Sol.



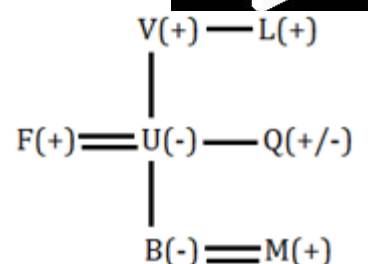
S49. Ans.(a)

Sol.



S50. Ans.(b)

Sol.



S51. Ans.(c)

Sol. The appropriate word for **blank A**, which describes the phenomenon of global warming, should be one that conveys the idea of it being undeniable or beyond dispute. The word "**incontrovertible**" (I) fits this description perfectly as it means not able to be denied or disputed. Similarly, "**indubitable**" (III) also fits as it means that which cannot be doubted; patently evident or certain. The words "indecisive" and "moot" do not fit the context as they convey uncertainty and irrelevance, respectively, which are not appropriate descriptions for the phenomenon of global warming being described.

Therefore, the most appropriate set of words for blank A from the given options is:

“(c) Both (I) and (III)”.

Incontrovertible: Not able to be denied or disputed.

Indecisive: Not settling an issue or not able to make decisions.

Indubitable: Impossible to doubt; unquestionable.

Moot: Subject to debate, dispute, or uncertainty, and typically not admitting of a final decision.

S52. Ans.(e)

Sol. The word that fits blank B should describe the nature of the accumulation of greenhouse gases in Earth's atmosphere in a way that emphasizes its continuous and unyielding nature. Among the options: **Pliant** and **Spineless** both suggest flexibility or lack of strength, which does not accurately describe the accumulation of greenhouse gases.

Relentless suggests a continuous and unyielding action, which is suitable for describing the accumulation of greenhouse gases.

Pertinacious suggests a persistent and unyielding action, which is suitable for describing the accumulation of greenhouse gases. Therefore, the correct choice is:

(e) Both (II) and (III), as both words accurately describe the continuous and unyielding nature of the accumulation of greenhouse gases.

S53. Ans.(d)

Sol. For blank A, we need a word that describes the effects of the accumulation of greenhouse gases. The correct choice is:

Diminution suggests a decrease in intensity or magnitude, which is not suitable for describing the effects of the accumulation of greenhouse gases.

Escalation suggests an increase in intensity or magnitude, which is suitable for describing the effects of the accumulation of greenhouse gases.

Accretion suggests an increase in quantity or volume, which is suitable for describing the effects of the accumulation of greenhouse gases.

Constriction suggests a decrease in quantity or volume, which is not suitable for describing the effects of the accumulation of greenhouse gases.

Therefore, the correct choice is:

(d) Both (II) and (III), as both words accurately describe the increasing or accumulating nature of the phenomenon in question.

S54. Ans.(b)

Sol. For blank D, we need a word that describes the effects of the escalation in greenhouse gas accumulation:

Anodyne suggests something that is not likely to provoke, which does not fit the context of negative effects.

Benignant means kindly and beneficial, which contradicts the context of harmful effects due to global warming.

Deleterious means causing harm or damage, fitting the context perfectly as it describes the negative effects of global warming.

Innocuous means not harmful or offensive, which contradicts the context of harmful effects.

Therefore, the correct choice is:

(b) Only (III), as it accurately describes the harmful effects of the situation being discussed.

S55. Ans.(a)

Sol. For blank E, describing the nature of the predicament related to the combustion of fossil fuels, the appropriate word should underscore the serious and potentially catastrophic implications of this situation:

Dire means extremely serious or urgent, aptly reflecting the critical and severe nature of the environmental crisis.

Apocalyptic refers to a scale, which accurately captures the catastrophic nature of the situation.

Propitious means favorable, which does not fit the context of a grave environmental crisis.

Blithesome means carefree or happy, which does not fit the gravity of the situation.

Given the description and need to highlight the simultaneous or inherently linked nature of greenhouse gas emissions to the combustion of fossil fuels:

(a) Both (I) and (II) is the correct choice, as they both accurately describe the catastrophic nature of the situation.

S56. Ans.(d)

Sol. For blank F, describing the release of greenhouse gases associated with the combustion of fossil fuels, the appropriate word should denote a sign or precursor:

Ancillary means providing necessary support to the primary activities or functions of an organization, system, etc., which does not fit the context of the release of greenhouse gases as a sign or precursor to the combustion of fossil fuels.

Disparate means consisting of parts that do not fit together, which does not fit the context of the release of greenhouse gases.

Diacritical refers to marks used to distinguish between letters or words, which does not fit the context of environmental crisis.

Divisional means relating to a division (= part) of an army or large organization.

Given the description and need to highlight the simultaneous or inherently linked nature of greenhouse gas emissions to the combustion of fossil fuels:

(d) Only (I) is the correct choice.

S57. Ans.(a)

Sol. For blank G, which is meant to describe something that indicates or foreshadows a series of environmental calamities as a result of global warming, the appropriate word should denote a sign or precursor:

Scion refers to a descendant or heir, often used in the context of lineage or inheritance, which does not fit the context of indicating future events.

Harbinger means a forerunner or a signal of something to come, fitting the context well as it implies something that announces or predicts the future calamities.

Contraindication is a term often used in medicine to indicate a reason something is not advisable or should not be done, which does not fit the context of predicting or indicating future events.

Prelude means to an action or event serving as an introduction to something more important.

Given the need to indicate a clear precursor or signal of future environmental calamities:

(a) Both (II) and (IV) are suitable, as both suggest the idea of indicating or foreshadowing future events, with "harbinger" being more directly about signaling what is to come and "prelude" suggesting an outline of future events.

S58. Ans.(c)

Sol. The passage explicitly mentions that millets were chosen for cultivation because they thrived in the village's climate. This confirms that statement (I) is correct. Statement (II) is also correct as it mentions that Rohan's father for his farming practices, millets was based on being profitable, which aligns with the passage's mention of causing huge losses and accurately reflects the context.

S59. Ans.(c)

Sol. The passage mentions that millets were chosen for their profitability, making statement (I) correct. Statement (II) is also correct as it mentions that Rohan's expertise to introduce innovative farming practices, which aligns with the passage's mention of confirming statement (I). Statement (III) is incorrect because the passage does not mention how Rohan's initiatives led to a significant increase in agricultural productivity, indicating that the increase in productivity was a result of the innovative practices.

S60. Ans.(d)

Sol. Statement (I) is incorrect because, while the passage does mention that millets were chosen due to their suitability to the village's climate and resistance to pests, it does not explicitly state that ease of cultivation and low maintenance were the primary reasons. Statement (II) is correct as it aligns with the passage's mention of the significant improvement in the village's economic conditions. Statement (III) is also correct as it indicates that Rohan's agro-based company significantly impacted the economic conditions through direct transactions that eliminated middlemen.

S61. Ans.(d)

Sol. Statement (I) is not entirely accurate according to the passage. While Rohan's journey suggests a blend of traditional wisdom and technological innovation, the passage emphasizes his reliance on engineering expertise to introduce innovative farming practices, rather than solely on traditional wisdom. Therefore, (I) might not fully capture the essence of Rohan's approach as described. Statements (II) and (III) are correct based on the passage: (II) indicates that Rohan's agro-based company significantly reduced the exploitation of farmers by intermediaries through direct sales, and (III) mentions that Rohan's shift to agriculture was motivated by his desire to contribute to his family's legacy. Thus, the correct answer is (d), indicating that both (II) and (III) are correct reflections of the passage's details.

S62. Ans.(e)

Sol. The passage explicitly states that the establishment of Rohan's agro-based company led to the elimination of middlemen, which in turn significantly increased farmers' profits by 30%. This direct impact on the economic aspect of farming highlights the company's role in enhancing the financial well-being of the community. Options (a), (b), (c), and (d) describe plausible beneficial actions but are not directly mentioned in the passage as effects of the agro-based company. The correct impact, as specified in the passage, is the increase in profits due to the elimination of intermediaries, making (e) the correct answer.

S63. Ans.(c)

Sol. The passage states that Rohan's agro-based company has helped farmers in the region to grow these crops thrived in the region. It also mentions that the company has helped farmers to achieve their aspirations for sustainable growth and economic stability. The passage further states that the company has helped farmers to overcome the challenges of the local environment, such as soil degradation and water scarcity. The passage also mentions that the company has helped farmers to improve their market access and reduce their dependence on intermediaries. The passage concludes that the company's efforts have led to a significant increase in farmers' profits and a more sustainable agricultural sector in the region.

S64. Ans.(b)

Sol. The passage states that Rohan's agro-based company has helped farmers in the region to grow these crops thrived in the region. It also mentions that the company has helped farmers to achieve their aspirations for sustainable growth and economic stability. The passage further states that the company has helped farmers to overcome the challenges of the local environment, such as soil degradation and water scarcity. The passage also mentions that the company has helped farmers to improve their market access and reduce their dependence on intermediaries. The passage concludes that the company's efforts have led to a significant increase in farmers' profits and a more sustainable agricultural sector in the region.

S65. Ans.(e)

Sol. The passage states that Rohan's agro-based company has helped farmers in the region to grow these crops thrived in the region. It also mentions that the company has helped farmers to achieve their aspirations for sustainable growth and economic stability. The passage further states that the company has helped farmers to overcome the challenges of the local environment, such as soil degradation and water scarcity. The passage also mentions that the company has helped farmers to improve their market access and reduce their dependence on intermediaries. The passage concludes that the company's efforts have led to a significant increase in farmers' profits and a more sustainable agricultural sector in the region.

S66. Ans.(b)

Sol. The passage specifies that real GDP in Germany is expected to grow by 0.3% in 2024, which represents a downward revision from the 0.8% growth predicted in the Autumn Forecast. For 2025, the growth outlook remains unchanged at 1.2%. This indicates a more cautious or pessimistic view for 2024 compared to previous expectations, while the forecast for 2025 stays consistent with earlier predictions. Options (a), (c), (d), and (e) either incorrectly describe the growth rates or inaccurately represent the comparison with previous forecasts, making (b) the correct answer as it accurately summarizes the forecast changes and continuities mentioned in the passage.

S67. Ans.(c)

Sol. Refer to the lines, "The inflationary trend across both years is anticipated to be predominantly driven by the services sector, where a provisional surge in wage growth is expected to perpetuate inflation at an elevated plateau, as was anticipated in the Autumn Forecast of 2023."

According to the passage, the inflationary trend across both 2024 and 2025 is anticipated to be predominantly driven by the services sector, where a provisional surge in wage growth is expected to perpetuate inflation at an elevated plateau. This makes option (c) the correct answer, as it directly aligns with the passage's forecast that the inflationary pressure will mainly come from the services sector due to wage dynamics. Options (a), (b), (d), and (e) propose drivers not mentioned or emphasized in the passage as the primary factors for inflation in 2024 and 2025. Option (a) mentions the services sector but also includes manufacturing, which is not the primary driver. Option (b) mentions the services sector but also includes manufacturing and construction. Option (d) mentions the services sector but also includes manufacturing and construction. Option (e) mentions the services sector but also includes manufacturing and construction.

S68. Ans.(a)

Sol. The pas

(I) "In sum, the inflationary trend is anticipated to be predominantly driven by the services sector, where a provisional surge in wage growth is expected to perpetuate inflation at an elevated plateau, as was anticipated in the Autumn Forecast, 2023." This directly supports the statement (I) as it mentions the services sector and the provisional surge in wage growth.

(II) Regarding the inflation rate, the passage states, "The inflation rate is projected to rise to 6.0% for the totality of 2024, up from 5.8% in 2023, and 2.4% in 2025." This statement (II) is accurate as it mentions the inflation rate and the projected rise to 6.0% for 2024.

(III) On the other hand, the passage states, "The prospect of a trade-led revitalization appears tenuous, as exports and imports are anticipated to ascend at parallel magnitudes in the ensuing forecast intervals." This statement (III) is accurate as it mentions the trade-led revitalization and the parallel magnitudes of exports and imports.

(IV) The passage states, "The inflationary trend across both years is anticipated to be predominantly driven by the services sector, where a provisional surge in wage growth is expected to perpetuate inflation at an elevated plateau, as was anticipated in the Autumn Forecast, 2023." This statement (IV) is accurate as it mentions the services sector and the provisional surge in wage growth.

Therefore, only statement (I) is accurate based on the passage, making option (a) the correct answer. Statements (II), (III), and (IV) are also accurate based on the passage.

S69. Ans.(c)

Sol. Evaluating each statement based on the passage:

(I) The passage states, "Moreover, the labor market's robustness, alongside an increment in real wages, is slated to buttress private consumption across the forecasted horizon." This supports statement (I), indicating that labor market conditions and wage increases are indeed expected to bolster private consumption.

(II) Concerning exports and imports, the passage mentions, "The prospect of a trade-led revitalization appears tenuous, as exports and imports are anticipated to ascend at parallel magnitudes in the ensuing forecast intervals." This directly contradicts statement (II), which suggests that exports and imports are projected to grow at differing rates. According to the passage, they are expected to grow at parallel magnitudes, not at differing rates.

(III) Regarding fiscal policies, the passage notes, "More austere fiscal policies are poised to cast a pall over the near-term growth outlook." This validates statement (III), indicating that stricter fiscal measures are expected to have a negative impact on short-term economic growth.

Therefore, statement (II) is incorrect based on the passage, making option (c) the correct answer. The passage specifically indicates that exports and imports will grow at parallel rates, thereby maintaining trade balance, not disrupting it as suggested by statement (II).

S70. Ans.(c)

Sol. The phrase "cast a pall over" suggests creating an atmosphere of gloom or diminishing the prospects of something. When applied to "the near-term growth outlook" in the context of discussing "more austere fiscal policies," it indicates that such policies (which typically involve reduced government spending) are expected to negatively impact economic growth. The passage does not directly surmise that tighter fiscal policies will have a negative effect on economic growth, but the use of "cast a pall" suggests a negative impact of austere fiscal policies.

S71. Ans.(c)

Sol. The phrase "seemingly impossible or very difficult" is used in the passage to describe the task of reconciling Germany's economic needs with a commitment to social justice. The passage states, "The task of reconciling Germany's economic needs with a commitment to social justice is seemingly impossible or very difficult." This indicates that the task is perceived as being extremely challenging or difficult to achieve.

S72. Ans.(a)

Sol. The word "ecstatic" most aptly expresses the feeling of joy or happiness. The passage describes a person who is "ecstatic" upon receiving the news of a victory. This indicates a state of intense joy or happiness, which is best captured by the word "ecstatic".

Meanings of

- (a) Ecstatic - Feeling or expressing overwhelming happiness or joyful excitement.
- (b) Despondent - In low spirits from loss of hope or courage.
- (c) Bewildered - Perplexed and confused; very puzzled.
- (d) Insouciant - Showing a casual lack of concern; indifferent.
- (e) Apathetic - Showing or feeling no interest, enthusiasm, or concern.

S73. Ans.(e)

Sol. The correct sequence to form a coherent paragraph from these sentences is: **BDAC**.

Logic:

B sets the stage for the story by introducing the protagonist and the legend of the treasure. It's the natural starting point because it provides the background information necessary for the narrative.

D logically follows as it shows the protagonist's reaction to the legend. It transitions from the introduction of the legend to the protagonist's decision, making it the next piece of the narrative.

A is the next in the sequence because, after deciding to find the treasure, the next logical step is the protagonist embarking on the journey to find it. This sentence describes the action taken as a result of the decision mentioned in **D**.

C concludes the story by revealing the outcome of the journey. It's the natural end to the narrative as it resolves the quest introduced at the beginning.

Each step in the sequence (**BDAC**) is linked by cause and effect, and the flow of actions is logical and chronological, from hearing about the treasure, deciding to find it, embarking on the journey, and finally discovering it.

S74. Ans.(a)

Sol. The correct sequence is **BDAC**.

Logic:

D sets the context by introducing the economic challenges that need to be solved, such as unemployment and inflation. It becomes the starting point for the government's policy measures.

B follows as it describes the government's policy measures, such as increasing public spending and reducing taxes, which are the next logical steps in addressing the challenges mentioned in **D**.

A is the subsequent sentence as it details the immediate economic impact of the policy on the economy. An increase in public spending and a decrease in taxes would lead to an increase in aggregate demand.

C concludes the paragraph by summarizing the overall impact of the policy on the economy. It shows how the government's response to the challenges created by the policy described in **B** led to the increased demand and economic recovery.

The sequence **BDAC** forms a coherent paragraph as it follows a logical flow from problem identification to policy implementation and finally to the economic impacts, demonstrating the government's response to the challenges.

S75. Ans.(b)

Sol. The correct sequence to form a coherent paragraph from these sentences is: **DBAC**.

Logic:

D introduces the initial conflict and characters, setting the stage for the narrative. It's the natural starting point because it presents the situation that leads to the development of the story.

B follows as it describes the action taken by the cat in response to the mouse's plea, transitioning from the potential peril the mouse faces to the beginning of their unexpected friendship.

A is the next logical step because, after the cat decides to release the mouse, the narrative needs to explain the immediate outcome of that decision. This sentence shows the cat's rationale for its actions, reinforcing the transition from adversaries to friends.

C concludes the story by expanding on the consequences of the cat's decision. It moves beyond the initial act of kindness to describe the development of their relationship, illustrating how their bond grows over time.

This sequence (**DBAC**) logically follows the progression of a narrative from conflict to resolution, demonstrating the development of a friendship between two unlikely characters. Each sentence builds on the previous one, leading to a cohesive and complete story.

S76. Ans.(c)

Sol. To fill in the blanks in the given sentence, we need to choose the correct sequence of words that logically and grammatically fit into the sentence.

The sentence reads: "The discovery of an old book in the attic (I) _____ the mysteries of her ancestry, (II) _____ a (III) _____ of her past."

Let's analyze the options:

The first blank (I) requires a verb that means to uncover or reveal. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The second blank (II) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The third blank (III) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The fourth blank (IV) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The fifth blank (V) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The sixth blank (VI) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The seventh blank (VII) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The eighth blank (VIII) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The ninth blank (IX) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The tenth blank (X) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The eleventh blank (XI) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The twelfth blank (XII) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The thirteenth blank (XIII) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The fourteenth blank (XIV) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The fifteenth blank (XV) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The sixteenth blank (XVI) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

The seventeenth blank (XVII) requires a noun that describes the nature of the discovery. The options are: (A) unveiling, (B) revealing, (C) disclosing, and (D) exposing. All four options are grammatically correct, but we need to see which one fits best with the rest of the sentence.

S78. Ans.(a)

Sol. For this sentence, we need to select words that accurately fit the context and make the sentence coherent and grammatically correct. Let's analyze the sentence and the options provided:

The first blank (I) should describe the overall noise or atmosphere of the metropolis. "**Cacophony**" fits here as it refers to a harsh, discordant mixture of sounds, typical of a bustling city environment.

The second blank (II) should describe the nature or characteristic of the metropolis. "**Bustling**" is the correct choice, as it conveys the idea of a busy, active, and crowded place.

The third blank (III) should describe what he found amidst this setting. "**Solace**" is appropriate, indicating comfort or consolation in a time of distress or sadness, which in this context is provided by the beauty of a sunset.

Hence, the correct answer is (a).

(I) cacophony

(II) bustling

(III) solace

This means

S79. Ans.(e)

Sol. The highlighted words in the sentences are: 'faith' in sentence (A), 'delegation' in sentence (B), and 'delegate' in sentence (C). The context of the sentences suggests a relationship between these words. 'Faith' implies trust or belief in someone's abilities or intentions, often leading to the act of delegating responsibilities. 'Delegation' is the act of placing trust in others to carry out tasks or responsibilities. 'Delegate' also carries the connotation of entrusting tasks or responsibilities to others. Therefore, the word that best describes the underlying relationship between these actions is (e) trust.

Given the above analysis, the correct answer is (e).

(a) withhold

(b) possess

(c) reserve

(d) retain

(e) trust

The most suitable

reflects the

sentences.

S80. Ans.(d)

Sol. The highlighted words in the sentences are:

rejuvenate in sentence (A), which means to make someone or something look or feel younger, fresher, or more lively.

sustain in sentence (B), which means to strengthen or support physically or mentally.

safeguard in sentence (C), which means to protect something from harm or damage.

Considering the meanings of the highlighted words, the most suitable synonym for all three is: (d) preserve

This word is a synonym for "rejuvenate" in the context of maintaining or restoring vitality, for "sustain" in the context of maintaining support or upkeep, and for "safeguard" in the context of protecting something from harm or damage.

S81. Ans.(c)

Sol. The highlighted words in the given sentences—**pacify**, **satiate**, and **quench**—all involve actions that alleviate or fully meet a need or desire. Specifically, they relate to soothing discomfort, satisfying hunger, and quenching thirst, respectively. The task is to find an antonym, a word that conveys the opposite meaning:

(a) gladden means to make glad or happy, which does not serve as an antonym to the actions of soothing, satisfying, or quenching since it doesn't imply the opposite of fulfilling a need or desire.

(b) indulge refers to allowing oneself to enjoy a particular pleasure, which also doesn't act as an antonym; instead, it aligns more closely with the concept of satisfying a desire.

(c) aggravate means to make worse or more severe, which directly opposes the idea of soothing or satisfying, thus serving as the correct antonym for the actions described in the sentences.

(d) blandish means to flatter or soothe, which is similar to the actions of pacifying or satisfying, and therefore does not serve as an antonym.

(e) console means to comfort or soothe, which is also similar to the actions of pacifying or satisfying. Given the meanings and contexts, **aggravate** is the only word that serves as a true antonym to the actions of **pacify**, **satiating**, and **quenching** in the context of the sentences. This is because **aggravate** involves exacerbating a situation rather than alleviating it.

S82. Ans.(e)

Sol. To determine the correct usage of the word "right" in the given sentences, we need to understand the different meanings and contexts in which "right" can be used. The word "right" can function as a noun, verb, adjective, or adverb, and its correct application depends on the context.

(I) "Despite the theory's implication, she wrote the report." - In this sentence, "right" is used as an adjective meaning "correct" or "appropriate." This usage is incorrect.

(II) "She exercised her right to vote, believing in the importance of contributing to the democratic process." - In this sentence, "right" is correctly used as a noun meaning a moral or legal entitlement to have or do something.

(III) "He turned right at the corner, following the directions to reach the new bookstore downtown." - In this sentence, "right" is correctly used as an adverb indicating direction, opposite of left.

Given these explanations, the correct option that depicts the sentences with the correct usage of the word "right" is:

(e) Both (II) and (III)

S83. Ans.(d)

Sol. The word "query" can be used as a noun or a verb, and it generally refers to a question, especially one addressed to an official or organization, or to a request for information from a database. Let's evaluate the usage of "query" in each sentence based on this understanding:

(I) **"Upon encountering an error in the report, she sent a query to the IT department seeking clarification and assistance."** - In this sentence, "query" is correctly used as a noun referring to a question or request for information, making this usage correct.

(II) **"After reviewing the database, he formulated a complex SQL query to extract the specific information needed for the upcoming project presentation."** - Here, "query" is correctly used in the context of databases, referring to a request for information or data from a database system. This usage is also correct.

(III) **"She submitted a query to her supervisor regarding the issue with the new software."** - In this sentence, "query" is used as a noun referring to a question or request for clarification. Given these analyses, the correct answer is (d) All are correct.

(d) All are correct.

S84. Ans.(b)

Sol. The word "reliant" means dependent or relying on someone or something for support or aid. Let's analyze the usage of "reliant" in each sentence to determine the correct answer:

(I) **"As technology advances, many people are becoming increasingly reliant on digital tools for their daily tasks."** - In this sentence, "reliant" is correctly used to describe dependence on digital tools.

(II) **"He was so optimistic about the future that he was almost completely reliant on predicting rain all winter."** - This usage is incorrect. "Reliant" implies dependence on something external, while "predicting rain" is an action or belief, not a source of support or aid. A more appropriate word might be "reliant" or "dependent" on a specific source of information or prediction.

(III) **"The remote village, reliant on solar panels for electricity, showcased the potential of sustainable energy solutions."** - In this sentence, "reliant" is correctly used to describe the village's dependence on solar panels for electricity.

Given these analyses, the correct answer is (b) Both (I) and (III).

(b) Both (I) and (III)

S85. Ans.(b)

Sol. To select the best alternatives for the bold word in the given sentence, let's analyze the context and meaning of the sentence and the given words:

The original sentence is: "Given the dark clouds gathering in the sky, it's likely that we'll see rain before the afternoon is over."

The word in focus is "likely," which means there is a high probability or chance of something happening. Now, let's look at the meanings of the given words to match them with "likely":

(I) **scarcely** - this means barely or hardly; it suggests a low probability, which is the opposite of "likely."

(II) **probably** - this means there is a high probability or likelihood of something happening, which aligns with the meaning of "likely."

(III) conceivably - this can mean imaginably or possibly; it indicates that something could happen.

Given these definitions, the best alternatives for "likely" in the context of the sentence would be words that convey a sense of probability or possibility that rain will occur before the afternoon is over.

Therefore, the correct answer is:

(b) Both (II) and (III) - because both "probably" and "conceivably" suggest that there is a chance of rain, aligning with the original meaning conveyed by "likely."

S86. Ans.(d)

Sol. To find the best alternatives for the bold word in the given sentence, we need to understand the sentence's context and the meaning of the given words:

The original sentence is: "He enjoyed the movie, though he had already read the book and knew the ending."

The word in the sentence, "though," suggests a contrast or contradiction between the two clauses.

Now, let's look at the alternatives to "though":

(I) however - This word is used to contrast the previous statement, suggesting a contradiction.

(II) hence - This word indicates a logical consequence or result, which does not fit the context of "though."

(III) nevertheless - This word is used to contrast with or contradict a previous statement, suggesting a contradiction.

Given these definitions, the best alternatives for "though" in the sentence would be words that introduce a contrast or contradiction.

Therefore, the correct answer is:

(d) Both (I) and (III) - because both "however" and "nevertheless" suggest a contrasting statement, aligning with the original meaning conveyed by "though."

S87. Ans.(c)

Sol. Sentence (I) and (IV) contain grammatical errors.

(I) "Despite the fact that the school year was finally over, the students celebrated the announcement that the school year was finally over." - This sentence contains a redundancy error. The phrase "the school year was finally over" is repeated twice.

(II) "Everyone in the classroom was eagerly waiting for the announcement that the school year was finally over." - This sentence is grammatically correct.

(III) "The committee decided that the proposal, while innovative, did not align with the organization's current priorities." - This sentence is grammatically correct. It clearly expresses the committee's decision regarding the proposal without any structural or grammatical errors.

(IV) "Having lost the game, the team's spirits were low, but its coach's encouraging words lifted there mood significantly." - This sentence contains a homophone error. The word "there" is incorrect in this context; it should be "their" to denote possession. The correct sentence should read: "Having lost the game, the team's spirits were low, but its coach's encouraging words lifted their mood significantly."

Therefore, the correct option is (c) Both (II) and (IV) are incorrect, as they contain grammatical errors, while (I) and (III) are grammatically correct.

S88. Ans.(c)

Sol.

(I) "As the deadline approaches, the team worked tirelessly to ensure the project's completion on time, despite facing numerous challenges." - This sentence has a tense consistency error. It mixes the present tense "approaches" with the past tense "worked." The sentence should maintain a consistent tense throughout.

(II) "The recent study reveals that, despite common belief, eating chocolate in moderation can have benefits for heart health." - This sentence is grammatically correct. It properly presents a claim and supports it in a clear, coherent manner.

(III) "Each of the participants have their own unique perspective, which they will share during the discussion panel next week." - This sentence contains a subject-verb agreement error. "Each" is singular, so the verb should be "has" instead of "have."

(IV) "The novel makes a compelling read for entertainment purposes." - This sentence is grammatically correct. The verb "makes" is singular, matching the singular subject "The novel." Therefore, the correct option is (c) Both (II) and (IV) are correct, as they do not contain grammatical errors, unlike (I) and (III).

S89. Ans.(d)

Sol. (I) "In response to the city council's decision, the recycling program will be implemented by the city council next month." - This sentence is grammatically correct. It clearly states an action by the city council in response to a decision.

(II) "The teachers, who are planning a field trip to the museum, will enhance their understanding of the subject." - This sentence contains a subject-verb agreement error. The main subject is "The teachers," which is plural, so the verb should be "enhance" instead of "will enhance."

(III) "Not only does the new policy aim to increase efficiency, but it also seeks to improve the overall customer experience." - This sentence is grammatically correct. It uses the correct structure for expressing the goals of the new policy.

(IV) "Despite exceeding his expectations, the subject, the teacher, should be corrected." - This sentence contains a subject-verb agreement error. The subject is "the subject," which is singular, so the verb should be "should be" instead of "should be corrected."

Therefore, the correct option is (d) Both (I) and (III) are correct, as they do not contain grammatical errors, unlike (II) and (IV).

S90. Ans.(a)

Sol. (I) "The research team was surprised to find that their results contradicted previous studies, leading them to further investigate the anomaly." - This sentence is grammatically correct. It clearly conveys the research team's response to unexpected results and their subsequent action.

(II) "Among the many challenges faced by the committee was finding a consensus on the proposed budget, which proved to be more difficult than anticipated." - This sentence is also grammatically correct. It effectively highlights a specific challenge encountered by the committee using a passive construction that is appropriate for the context.

(III) "The number of participants attending the conference exceed the organizers' expectations, which necessitated additional preparations." - This sentence contains a subject-verb agreement error. The subject "The number of participants" is singular, so the verb should also be singular: "exceeds." The corrected sentence should read: "The number of participants attending the conference exceeds the organizers' expectations, which necessitated additional preparations."

(IV) "Following the seminar, feedback from attendees were overwhelmingly positive, indicating the event's success in meeting its objectives." - This sentence has a subject-verb agreement error. The subject "feedback" is singular, so the verb should be "was" instead of "were." The corrected sentence should read: "Following the seminar, feedback from attendees was overwhelmingly positive, indicating the event's success in meeting its objectives."

Thus, Both (III) and (IV) contain grammatical errors due to incorrect subject-verb agreement.

S91. Ans.(d)

Sol.

$$\text{Given, } 1.25x\% - x\% = 12$$

$$0.25x\% = 12$$

$$400 \times \frac{0.25x}{100} = 12$$

$$x = 12$$

$$\text{So, } 1.25x = \frac{5}{4} \times 12 = 15$$

$$\text{So, } y = 100 - (12 + 20 + 15 + 23) = 30$$

$$12 = x \text{ \& } y = 30$$

$$\text{Total people visited to mall on Sunday} = \frac{12}{100} \times 400 = 48$$

$$\text{Total people visited to mall on Monday} = 80$$

$$\text{Total people visited to mall on Tuesday} = 60$$

$$\text{Total people visited to mall on Wednesday} = 92$$

$$\text{Total people visited to mall on Thursday} = 120$$

$$\text{Males visited mall on Monday} = \frac{2}{5} \times 80 = 32$$

$$\text{Females visited mall on Monday} = 48$$

$$\text{New number of females visited mall on Monday} = 48 \times \frac{5}{4} = 60$$

$$\text{New number of males visited mall on Monday} = 80 - 60 = 20$$

$$\text{Required percentage} = \frac{20}{60} \times 100 = 33.33\%$$

S92. Ans.(e)

Sol.

$$\text{Given, } 1.25x\% - x\% = 12$$

$$0.25x\% = 12$$

$$400 \times \frac{0.25x}{100} = 12$$

$$x = 12$$

$$\text{So, } 1.25x = \frac{5}{4} \times 12 = 15$$

$$\text{So, } y = 100 - (12 + 20 + 15 + 23) = 30$$

$$12 = x \text{ \& } y = 30$$

$$\text{Total people visited to mall on Sunday} = \frac{12}{100} \times 400 = 48$$

$$\text{Total people visited to mall on Monday} = 80$$

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Total people visited to mall on Tuesday = 60
 Total people visited to mall on Wednesday = 92
 Total people visited to mall on Thursday = 120
 People went to movie = 30
 People went to food court = $92 - 30 = 62$
 Females went to food court = 30
 Males went to food court = $62 - 30 = 32$
 Males went to movie = $32 - 12 = 20$
 Required ratio = $(30 - 20) : 120 = 1 : 12$

S93. Ans.(e)

Sol.

Given, $1.25x\% - x\% = 12$

$$0.25x\% = 12$$

$$400 \times \frac{0.25x}{100} = 12$$

$$x = 12$$

$$\text{So, } 1.25x = \frac{5}{4} \times 12 = 15$$

$$\text{So, } y = 100 - (12 + 20 + 15 + 23) = 30$$

$$12 = x \text{ \& } y = 30$$

$$\text{Total people visited to mall on Sunday} = \frac{12}{100} \times 400 = 48$$

$$\text{Total people visited to mall on Monday} = 80$$

$$\text{Total people visited to mall on Tuesday} = 60$$

$$\text{Total people visited to mall on Wednesday} = 92$$

$$\text{Total people visited to mall on Thursday} = 120$$

Let the total male on Sunday and Thursday be x
 and females on Sunday and Thursday be f and $13f$ respectively.

ATQ,

$$x + f = 48 \text{ ..(i)}$$

And

$$x + 13f = 120 \text{ ..(ii)}$$

From (i) & (ii)

$$6 = f, x = 42$$

$$\text{Required answer} = 2x = 84$$

S94. Ans.(c)

Sol.

Given, $1.25x\% - x\% = 12$

$$0.25x\% = 12$$

$$400 \times \frac{0.25x}{100} = 12$$

$$x = 12$$

$$\text{So, } 1.25x = \frac{5}{4} \times 12 = 15$$

$$\text{So, } y = 100 - (12 + 20 + 15 + 23) = 30$$

$$12 = x \text{ \& } y = 30$$

$$\text{Total people visited to mall on Sunday} = \frac{12}{100} \times 400 = 48$$

$$\text{Total people visited to mall on Monday} = 80$$

$$\text{Total people visited to mall on Tuesday} = 60$$

$$\text{Total people visited to mall on Wednesday} = 92$$

$$\text{Total people visited to mall on Thursday} = 120$$

$$\text{Total people visited to mall on Saturday} = \frac{1}{2} \times (140) = 70$$

$$\text{Males visited on Saturday} = 125\% \text{ of } 48 = 60$$

$$\text{Females visited on Saturday} = 10$$

$$\text{Required percentage} = \frac{10}{400} \times 100 = 2.5\%$$

S95. Ans.(a)

Sol.

$$\text{Given, } 1.25x\% - x\% = 12$$

$$0.25x\% = 12$$

$$400 \times \frac{0.25x}{100} = 12$$

$$x = 12$$

$$\text{So, } 1.25x = \frac{5}{4} \times 12 = 15$$

$$\text{So, } y = 100 - (12 + 20 + 15 + 23) = 30$$

$$12 = x \text{ \& } y = 30$$

$$\text{Total people visited to mall on Sunday} = \frac{12}{100} \times 400 = 48$$

$$\text{Total people visited to mall on Monday} = 80$$

$$\text{Total people visited to mall on Tuesday} = 60$$

$$\text{Total people visited to mall on Wednesday} = 92$$

$$\text{Total people visited to mall on Thursday} = 120$$

$$\text{Required difference} = 120 - 48 = 72$$

S96. Ans.(a)

Sol.

$$\text{(I): } x^2 - 10x + 21 = 0$$

$$x^2 - 7x - 3x + 21 = 0$$

$$3, 7 = x$$

$$\text{(II): } y^2 - 24y + 144 = 0$$

$$y^2 - 12y - 12y + 144 = 0$$

$$12, 12 = y$$

$$\text{Option (a) } z^2 - 19z + 84 = 0$$

$$z^2 - 12z - 7z + 84 = 0$$

$$z = 12, 7$$

Only option (a), rest of the options are eliminated

S97. Ans.(c)

Sol.

$$A + B = 4.5 = -\frac{-P}{2}$$

$$9 = P$$

$$\text{(I) } 2x^2 - 9x + 10 = 0$$

$$2x^2 - 5x - 4x + 10 = 0$$

$$2.5, 2 = x$$

$$C = \frac{1}{2} \times 2 = 1 \quad (A = 2)$$

$$\text{So, } B = 2.5$$

Put $y = 1$ in the equation (II),

$$(II) \quad 4y^2 - Ry + 15 = 0$$

$$4 - R + 15 = 0$$

$$R = 19$$

$$4y^2 - 19y + 15 = 0$$

$$4y^2 - 15y - 4y + 15 = 0$$

$$3.75, 1 = y$$

$$3.75 = D$$

$$\text{Required sum} = 3.75 + 2.5 = 6.25$$

S98. Ans.(d)

Sol.

$$A + B = 4.5 = -\frac{-P}{2}$$

$$9 = P$$

$$(I) \quad 2x^2 - 9x + 10 = 0$$

$$2x^2 - 5x - 4x + 10 = 0$$

$$2.5, 2 = x$$

$$C = \frac{1}{2} \times 2 = 1 \quad (A = 2)$$

$$\text{So, } B = 2.5$$

Put $y = 1$ in the equation (II),

$$(II) \quad 4y^2 - Ry + 15 = 0$$

$$4 - R + 15 = 0$$

$$R = 19$$

$$4y^2 - 19y + 15 = 0$$

$$4y^2 - 15y - 4y + 15 = 0$$

$$3.75, 1 = y$$

$$3.75 = D$$

$$A + 1.75 = D$$

$$B + 1.25 = D \text{ (correct)}$$

$$D - C = B + 0.25 \text{ (correct)}$$

All are correct

S99. Ans.(a)

Sol.

$$0.5, \quad 6, \quad 60, \quad 480, \quad 2880, \quad 11520, \quad P = 23040$$

$$\times 12 \quad \times 10 \quad \times 8 \quad \times 6 \quad \times 4 \quad \times 2$$

$$\text{Wrong number} = 5$$

$$\text{Wrong number} = 5$$

Sol.

×12 ×10 ×8 ×6 ×4 ×2

A=5

$$20160 = 20160$$

(II) P is completely divisible by A

It is correct.

(III) P>4320

$23040 > 21600$

It is correct

S101. Ans.(

Sol. Approximate the bus

months resp

The Profit-s Madhu

$$= 4800 \times 6 : P \times 6 + (P + 300) \times 6 : \frac{P}{2} \times 4$$

$$= 14400 : 6P + 900 : P$$

ATQ,

$$\frac{P}{14400 + 6P + 900} = \frac{200}{1400}$$

$$7P = 6P + 15300$$

$$P = 15300$$

S102. Ans. (C)

Sol.

Let the speed of the boat in still water be x km/hr

ATQ,

$$\frac{1.5S}{x+3} = 15$$

$$S = 10x + 30 \dots (i)$$

And

$$\frac{S}{x+11} = 5$$

$$S = 5x + 55 \dots (ii)$$

From (i) & (ii)

$$10x + 30 = 5x + 55$$

$$5x = 25$$

$x = 5$

x value put in (i)

$$S = 10(5) + 30$$

$$= 80$$

S103. Ans.(a)

Sol.

Given, $A+B=24$

And $B+C=12$

$A=14$, $B=10$, and $C=2$ (From $14 \geq A > B > 9$ and $10 \geq B > C > 1$)

Quantity (I) Required value = $A+5$

$$14+5=19$$

Quantity (II) Required value = $2C+B$

$$= 2(2) + 10 = 14$$

So, Quantity I > Quantity II

S104. Ans.(C)

Sol.

Let the approximate rate of interest = 20%

And time period 2 years

$$\text{Composite compound interest} = \left(20 + 20 + \frac{20 \times 20}{100} \right) \% = 44\%$$

$$\text{Amount received} = P + P \times \frac{44}{100} = \frac{144P}{100}$$

ATQ,

$$\frac{144P}{100} \times \frac{44}{100} = 792$$

$$P = 1250$$

S105. Ans.(C)

Sol.

Let the speed of the train be s m/sec

$$\text{Given, } \frac{300}{s} = t$$

$$\frac{300}{t} = s \dots \dots (i)$$

And

$$\frac{540}{s} = (t + 12)$$

$$\frac{540}{t + 12} = s \dots \dots (ii)$$

From (i) & (ii)

$$\frac{300}{t} = \frac{540}{t + 12}$$

$$(t + 12) \times 5 = 9t$$

$$60 = 4t$$

$$t = 15$$

$$\text{Speed of the train} = \frac{300}{15}$$

$$s = 20$$

$$\text{Required distance} = 20 \times (15 - 6)$$

$$= 180 \text{ meters}$$

S106. Ans.(a)

Sol.

Possible values of X and Y

$$2 \times 20 = 40$$

$$4 \times 10 = 40$$

$$8 \times 5 = 40$$

$$1 \times 40 = 40$$

When we add one in the above question only $8 \times 5 = 40$ can make single digit.

So, X or Y = 9 and Y or X = 6

Required product = $9 \times 6 = 54$

S107. Ans.(a)

Sol.

Series I.

a=297	d=401	c=525	669	833	1017	1221
104	124	144	164	184	204	
20	20	20	20	20	20	

Series II.

b=300	318	336	354	372	390
18	18	18	18	18	

Series III.

456	472	408	552	z=296
+16	-64	+144	-256	
$+4^2$	-8^2	$+12^2$	-16^2	

a = 297, d = 401, c = 525, b = 300 and z = 296

Option (a) $a + d - c > z$

$$297 + 401 - 525 > 296$$

$$173 < 296$$

It is incorrect.

Option (b) $a + d - c < z$

$$297 + 401 - 525 < 296$$

$$173 < 296$$

it is correct

(c) $a + d = b + z + 102$

$$297 + 401 = 300 + 296 + 102$$

$$698 = 698$$

It is correct.

S108. Ans.(a)

Sol.

Series I.

a=297	d=401	c=525	669	833	1017	1221
104	124	144	164	184	204	
20	20	20	20	20		

Series II.

b=300	318	336	354	372	390
	18	18	18	18	18

Series III.

456	472	408	552	z = 296
+16	-64	+144	-256	
$+4^2$	-8^2	$+12^2$	-16^2	

a = 297, d = 401, c = 525, b = 300 and z = 296

(A) d=401 it is prime number

It is correct.

(B) a=297 is an odd number but z= 296 is an even number.

It is incorrect.

(C) Quotient = $\frac{525}{7} = 75$

$$75 = \frac{1}{4} \times 300$$

$$75 = 75$$

It is correct.

S109. Ans.(A)

Sol.

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

$$? = 15 + 38 - 30$$

$$? = 23$$

S110. Ans.(C)

Sol.

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

$$? = 600$$

S111. Ans.(A)

Sol.

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

$$?^2 = 252 - 108$$

$$? = 12$$

S112. Ans.(d)

Sol.

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

$$? \times 440 = 2200$$

$$? = 5$$

S113. Ans.(a)

Sol.

Marked price of B and C is $6x$ and $7x$.

$$\text{Cost price of B} = 6x \times \frac{100}{150} = 4x$$

Selling price of A = $3x$

Marked price of D = $810 - 7x$

$$\text{Selling price of D} = \frac{90}{100} \times (810 - 7x)$$

$$\text{Cost price of D} = (810 - 7x) \times \frac{100}{150}$$

$$\text{Marked price of A} = \frac{100}{85} \times 3x$$

$$\text{Selling price of B} = 6x \times \frac{85}{100}$$

$$\text{Selling price of C} = 7x \times \frac{85}{100}$$

Products	Cost price	Selling price	Marked price
A		$3x$	$3x \times \frac{100}{85}$
B	$4x$	$6x \times \frac{85}{100}$	$6x$
C		$7x \times \frac{85}{100}$	$7x$
D	$\frac{100}{150}(810 - 7x)$	$\frac{90}{100}(810 - 7x)$	$810 - 7x$

ATQ,

$$\frac{6x \times \frac{85}{100} - 4x}{4x} \times 100 = \frac{510 - 400}{400} \times 100 = 27.5\%$$

$$M = 27.5$$

S114. Ans.(c)

Sol.

Marked price of B and C is $6x$ and $7x$.

$$\text{Cost price of B} = 6x \times \frac{100}{150} = 4x$$

Selling price of A = $3x$

Marked price of D = $810 - 7x$

$$\text{Selling price of D} = \frac{90}{100} \times (810 - 7x)$$

$$\text{Cost price of D} = (810 - 7x) \times \frac{100}{150}$$

$$\text{Marked price of A} = \frac{100}{85} \times 3x$$

$$\text{Selling price of B} = 6x \times \frac{85}{100}$$

$$\text{Selling price of C} = 7x \times \frac{85}{100}$$

Products	Cost price	Selling price	Marked price
A		$3x$	$3x \times \frac{100}{85}$
B	$4x$	$6x \times \frac{85}{100}$	$6x$
C		$7x \times \frac{85}{100}$	$7x$
D	$\frac{100}{150}(810 - 7x)$	$\frac{90}{100}(810 - 7x)$	$810 - 7x$

$$\text{Cost price of A} = \frac{100}{153} \times 3x$$

ATQ,

$$3x \times \frac{100}{85} - \frac{100}{153} \times 3x = 80$$

$$x = 51$$

$$\text{Selling price of B} = 6x \times \frac{85}{100} = 5.1x$$

$$5.1 \times 51 = \text{Rs } 260.1$$

S115. Ans. (

Sol.

Marked price of B and C is $6x$ and $7x$.

$$\text{Cost price of B} = 6x \times \frac{100}{150} = 4x$$

$$\text{Selling price of A} = 3x$$

$$\text{Marked price of D} = 810 - 7x$$

$$\text{Selling price of D} = \frac{90}{100} \times (810 - 7x)$$

$$\text{Cost price of D} = (810 - 7x) \times \frac{100}{150}$$

$$\text{Marked price of A} = \frac{100}{85} \times 3x$$

$$\text{Selling price of B} = 6x \times \frac{85}{100}$$

$$\text{Selling price of C} = 7x \times \frac{85}{100}$$



Products	Cost price	Selling price	Marked price
A		$3x$	$3x \times \frac{100}{85}$
B	$4x$	$6x \times \frac{85}{100}$	$6x$
C		$7x \times \frac{85}{100}$	$7x$
D	$\frac{100}{150}(810 - 7x)$	$\frac{90}{100}(810 - 7x)$	$810 - 7x$

$$6x + 7x = 1326$$

$$102 = x$$

$$\text{Cost price of C} = 142 + 4x = 550$$

$$\text{Required difference} = 550 - (810 - 7x) \times \frac{100}{150} = 550 - 64 = \text{Rs } 486$$

S116. Ans.(e)**Sol.**Marked price of B and C is $6x$ and $7x$.

$$\text{Cost price of B} = 6x \times \frac{100}{150} = 4x$$

$$\text{Selling price of A} = 3x$$

$$\text{Marked price of D} = 810 - 7x$$

$$\text{Selling price of D} = \frac{90}{100} \times (810 - 7x)$$

$$\text{Cost price of D} = (810 - 7x) \times \frac{100}{150}$$

$$\text{Marked price of A} = \frac{100}{85} \times 3x$$

$$\text{Selling price of B} = 6x \times \frac{85}{100}$$

$$\text{Selling price of C} = 7x \times \frac{85}{100}$$

Products	Cost price	Selling price	Marked price
A		$3x$	$3x \times \frac{100}{85}$
B	$4x$	$6x \times \frac{85}{100}$	$6x$
C		$7x \times \frac{85}{100}$	$7x$
D	$\frac{100}{150}(810 - 7x)$	$\frac{90}{100}(810 - 7x)$	$810 - 7x$

$$810 - 7x + 4x = 733.5$$

$$76.5 = 3x$$

$$x = 25.5$$

$$\text{Selling price of product D} = \frac{90}{100}(810 - 7x) = \frac{90}{100}(810 - 7(25.5))$$

$$= \frac{90}{100}(810 - 178.5)$$

$$= \text{Rs } 568.35$$

$$\text{Selling price of product A} = 3x = 3 \times 25.5 = \text{Rs } 76.5$$

$$\text{Required percentage} = \frac{568.35}{76.5} \times 100 = 742.9 \approx 743\%$$

S117. Ans.(**Sol.**Marked price of B and C is $6x$ and $7x$.

$$\text{Cost price of B} = 6x \times \frac{100}{150} = 4x$$

$$\text{Selling price of A} = 3x$$

$$\text{Marked price of D} = 810 - 7x$$

$$\text{Selling price of D} = \frac{90}{100} \times (810 - 7x)$$

$$\text{Cost price of D} = (810 - 7x) \times \frac{100}{150}$$

$$\text{Marked price of A} = \frac{100}{85} \times 3x$$

$$\text{Selling price of B} = 6x \times \frac{85}{100}$$

$$\text{Selling price of C} = 7x \times \frac{85}{100}$$

Products	Cost price	Selling price	Marked price
A		$3x$	$3x \times \frac{100}{85}$
B	$4x$	$6x \times \frac{85}{100}$	$6x$
C		$7x \times \frac{85}{100}$	$7x$
D	$\frac{100}{150}(810 - 7x)$	$\frac{90}{100}(810 - 7x)$	$810 - 7x$

Total discount percentages given on products A and D = $(10 + 15)\% = 25\%$

Profit percentage on product C = 25%

$$\text{Cost price of product C} = 7x \times \frac{85}{100} \times \frac{100}{125} = 7x \times \frac{85}{125}$$

$$= 7x \times \frac{17}{25}$$

$$\text{Required answer} = \frac{7x - 7x \times \frac{17}{25}}{7x \times \frac{17}{25}} \times 100$$

$$= \frac{175 - 119}{119} \times 100 = 47.058 \approx 47\%$$

S118. Ans. (C)

Sol.

Cost price = Rs x

Marked price = Rs $(1225 + x)$

Selling price = $1225 + x - 0.27x = \text{Rs } (0.73x + 1225)$

$$x \times \frac{108}{100} = 0.73x + 1225$$

$$0.35x = 1225$$

$$3500 = x$$

Quantity I. $3500 - 2500 = \text{Rs } 1000$

Quantity II. New cost price = $\frac{8}{7} \times 3500 = \text{Rs } 4000$

$$\text{Profit} = \frac{25}{100} \times 4000 = \text{Rs } 1000$$

So, Quantity I = Quantity II

S119. Ans. (C)

Sol.

Quantity I. Possible values of $a = 8, 9, 10, 11, 12$

$$6a - 2a^4 + 51a$$

$-2a^4$ this number will give only negative number.

Quantity II: Given, $2 \leq b \leq 4$.

$$48b + 9 \times 64^{\frac{1}{b}}$$

Only $b = 2, 3$

When $b = 2$

$$48b + 9 \times 64^{\frac{1}{b}}$$

$$48(2) + 9 \times 64^{\frac{1}{2}} = 168$$

When $b = 3$

$$48b + 9 \times 64^{\frac{1}{b}}$$

$$48(3) + 9 \times 64^{\frac{1}{3}} = 180$$

So, Quantity I < Quantity II

S120. Ans.(e)

Sol.

The pattern of the series I:

$$\begin{array}{ccccccccc} 1702, & \mathbf{A=1720}, & 1742.5, & 1774, & 1819, & 1882 \\ & 18 & 22.5 & 31.5 & 45 & 63 \\ & 4.5 & 9 & 13.5 & 18 \\ & 4.5 & 4.5 & 4.5 \end{array}$$

The pattern of the series II:

$$\begin{array}{ccccccccc} 344, & 316, & 354, & 306, & 364, & \mathbf{B=296} \\ -28 & +38 & -48 & +58 & -68 \end{array}$$

$$\text{Required value} = \frac{296+1720+4}{20} = 101$$

S121. Ans.(

Sol.

People	Inbound calls	Outbound calls
A	$80 \times \frac{3}{8} = 30$	$80 - 30 = 50$
B	_____	_____
C	$72 \times \frac{7}{12} = 42$	30
D	$36 \times \frac{1}{4} = 9$	27
E	$60 \times \frac{3}{5} = 36$	24
F	$48 \times \frac{2}{2+a}$	$48 \times \frac{a}{2+a}$

$$\begin{aligned} \frac{\text{outbound domestic calls}}{\text{inbound domestic calls}} &= \frac{3x}{4x} \\ \frac{\text{outbound international calls}}{\text{inbound international calls}} &= \frac{5y}{6y} \end{aligned}$$

ATQ,

$$\frac{3x+5y}{4x+6y} = \frac{4}{5}$$

$$x = y$$

$$3x+4x + 5x+6y= 90$$

$$18x = 90$$

$$5 = x$$

$$\text{Total international calls} = 55$$

247

S122. Ans.(d)

Sol.

People	Inbound calls	Outbound calls
A	$80 \times \frac{3}{8} = 30$	$80 - 30 = 50$
B	_____	_____
C	$72 \times \frac{7}{12} = 42$	30
D	$36 \times \frac{1}{4} = 9$	27
E	$60 \times \frac{3}{5} = 36$	24
F	$48 \times \frac{2}{2+a}$	$48 \times \frac{a}{2+a}$

$$48 \times \frac{2}{2+a} - 48 \times \frac{a}{2+a} = 16$$

$$6 - 3a = 2 + a$$

$$1 = a$$

S123. Ans.(b)

Sol.

People	Inbound calls	Outbound calls
A	$80 \times \frac{3}{8} = 30$	$80 - 30 = 50$
B	_____	_____
C	$72 \times \frac{7}{12} = 42$	30
D	$36 \times \frac{1}{4} = 9$	27
E	$60 \times \frac{3}{5} = 36$	24
F	$48 \times \frac{2}{2+a}$	$48 \times \frac{a}{2+a}$

Outbound calls by B = 120% of 30 = 36

Inbound calls by B = 90 - 36 = 54

Required percentage = $\frac{54}{60} \times 100 = 90\%$

47

S124. Ans.(d)

Sol.

People	Inbound calls	Outbound calls
A	$80 \times \frac{3}{8} = 30$	$80 - 30 = 50$
B	_____	_____
C	$72 \times \frac{7}{12} = 42$	30
D	$36 \times \frac{1}{4} = 9$	27
E	$60 \times \frac{3}{5} = 36$	24
F	$48 \times \frac{2}{2+a}$	$48 \times \frac{a}{2+a}$

Total inbound domestic calls by C and D = 24

Total inbound calls by C and D = $42 + 9 = 51$

Total outbound calls by C and D = $30 + 27 = 57$

Total inbound international calls by C and D = $51 - 24 = 27$

Total outbound international calls by C and D = $44 - 27 = 17$

Total outbound domestic calls by C and D = $57 - 17 = 40$

S125. Ans.(

Sol.

People	Inbound calls	Outbound calls
A	$80 \times \frac{3}{8} = 30$	$80 - 30 = 50$
B	_____	_____
C	$72 \times \frac{7}{12} = 42$	30
D	$36 \times \frac{1}{4} = 9$	27
E	$60 \times \frac{3}{5} = 36$	24
F	$48 \times \frac{2}{2+a}$	$48 \times \frac{a}{2+a}$

For minimum domestic calls, international calls should be the maximum.

International inbound calls = 25 (5^2)

Domestic inbound = $30 - 25 = 5$

International outbound calls = 49 (7^2)

Domestic outbound = $50 - 49 = 1$

Required difference = $5 - 1 = 4$

S126. Ans.(a)

Sol.

$$4x(x - 5) \times \frac{100+2x}{100} = 3000$$

$$2x^3 + 90x^2 - 500x = 75000$$

By hit and trial method (put $x = 10, 15$ and 25)

$$25 = x$$

$$\text{Total article sold} = 4x = 100$$

$$\text{Total number of article A (sold + unsold)} = \frac{100}{40} \times 100 = 250$$

S127. Ans.(a)

Sol.

The selling price of A = $x - 5 + 5 = \text{Rs } x$

So, selling price of C = $\text{Rs } 3x$

Profit on each article C = $30 - 5 = \text{Rs } 25$

Selling price of each article C = $y - 10 + 25 = \text{Rs}(y + 15)$

$$\text{ATQ, } y + 15 = 3x$$

$$3x - y = 15$$

Option (A) is correct

$$\text{(B) Discount on each article A} = \frac{20x}{4x} = \text{Rs. } 5$$

It is correct.

S128. Ans.(a)

Sol.

$$\frac{3750}{2.5y} = 40 - 15$$

$$y = 60$$

$$\begin{aligned} \text{Required answer} &= (y - 10 + 2.5y) = (3.5y - 10) \\ &= 200 \end{aligned}$$

S129. Ans.(a)

Sol.

$$\frac{12.5y}{y-10} = 15$$

$$y = 60$$

$$\text{Required percentage} = \frac{x \times \left(\frac{180}{100}\right)}{20x} \times 100 = 9\%$$

S130. Ans.(a)

Sol.

$$\text{Required ratio} = \frac{1500}{\frac{20x}{4x}} = 300:1$$

S131. Ans.(d)

Sol. From statement (I): As when we remove 25 liters of solution three times then vessel gets empty

So, Quantity of mixture = $25 \times 3 = 75$ liters

From (II)

We can't find the milk in the initial mixture

From (I) and (II)

Quantity of water in the final mixture = $\frac{8}{25} \times 75 = 24$ liters

According to the formula

Let the quantity of water in the initial mixture be x liters

$$\frac{24}{x} = \left(1 - \frac{15}{75}\right)^2$$

$$x = \frac{24 \times 5 \times 5}{4 \times 4}$$

$$x = 37.5$$

Quantity of milk in the initial mixture = $75 - 37.5 = 37.5$ liters

S132. Ans.(

Sol.

Let the marked price of the Q be Rs $300x$

Marked price of P = $\frac{4}{3} \times 300x = \text{Rs } 400x$

Cost price of P = $\frac{7}{8} \times 400 = \text{Rs } 350x$

Selling price of Q = $\frac{300}{2} = \text{Rs } 150x$

From (I): We don't have any actual value so we can't find anything from here.

From (II): $350x - 150x = 200$

$$x = 1$$

Cost price of P = Rs. 350

S133. Ans.(

Sol. From (I) we can't find anything from here as we don't have any actual value of any member

From (II): From this statement we get the ages of A and D in the ratio as we don't have any actual value of any member

S134. Ans.(d)

Sol.

Let the salary of A and B be Rs $100x$ and Rs $100y$ respectively

Saving of A = $\frac{60}{100} \times 100x = \text{Rs } 60x$

ATQ,

$$60x = 6000$$

$$x = 100$$

Salary of A = Rs 10000

$$\text{Expenditure of A} = \frac{40}{100} \times 10000 = \text{Rs } 4000$$

$$\text{Amount spends on food by A} = 4000 \times \frac{20}{100} = \text{Rs } 800$$

$$\text{Amount invested on SIP by A} = 4000 - 800 = \text{Rs } 3200$$

$$\text{Amount spends by B} = \frac{40}{100} \times 100y = \text{Rs } 40y$$

$$\text{Amount invested by B on SIP} = \frac{70}{100} \times 40y = \text{Rs } 28y$$

Also

$$28y - 3200 = 1980$$

$$y = 185$$

$$\text{Salary of B} = \text{Rs } 18500$$

$$\text{Required difference} = 18500 - 10000 = \text{Rs } 8500$$

S135. Ans.(C)

Sol.

Let the number of green pebbles be x

ATQ,

$$\frac{x}{5+6+x} = \frac{7}{18}$$

$$18x = 77 + 7x$$

$$11x = 77$$

$$x = 7$$

Number of green pebbles = 7

$$\text{Required probability} = (6 \times 5) \times \frac{2}{18 \times 17} = \frac{10}{51}$$

S136. Ans.(C)

Sol.

Let the length and height of the cuboid be $5x$ cm and $2x$ cm respectively

Breadth of the cuboid = $4x$ cm

Now,

ATQ,

$$(5x \times 2x + 5x \times 4x + 2x \times 4x) \times 2 = 76$$

$$38x^2 = 38$$

$$x = 1$$

Quantity (I): Cost of painting = $20 \times 4 \times 5 = \text{Rs. } 400$

Quantity (II): Perimeter of the equilateral triangle = 12 cm

$$\text{Side of equilateral triangle} = \frac{12}{3} = 4 \text{ cm}$$

$$\text{Area of equilateral triangle} = \frac{\sqrt{3}}{4} \times 16 = 4\sqrt{3} \text{ cm}^2$$

Cost of painting = Rs $120\sqrt{3}$

So, Quantity (I) > Quantity (II)

S137. Ans.(a)

Sol.

$$\text{Quantity of milk in the initial mixture} = \frac{60}{100} \times 80 = 48 \text{ litres}$$

$$\text{Quantity of water in the initial mixture} = 60 - 48 = 12 \text{ liters}$$

After first replacement,

$$\text{Quantity of milk} = 48 - 20 \times \frac{4}{5} = 32 \text{ liters}$$

$$\text{Quantity of water} = 12 - 20 \times \frac{1}{5} + 20 = 28 \text{ litres}$$

$$\text{Ratio of milk to water} = 32:28 = 8 : 7$$

Now,

$$\frac{32 - 15 \times \frac{8}{15}}{28 - 15 \times \frac{7}{15} + x} = \frac{1}{1}$$

$$24 = 21 + x$$

$$x = 3$$

S138. Ans.(d)

Sol. Let down

Then upstre

ATQ

$$\frac{\left(\frac{P}{8x}\right)}{\frac{P+6}{2(2x)}} = \frac{5}{12}$$

$$P = 30 \text{ km}$$

And

$$\frac{(P-6)}{2x} - \frac{P-6}{8x} = 6$$

$$x = 1.5$$

$$\text{Speed of boat in still water} = 5x = 7.5 \text{ km/hr}$$

$$\text{Required distance} = 7.5 \times 5 = 37.5 \text{ km}$$

S139. Ans.(

Sol.

$$\text{Total earning} = \text{Rs } 200$$

Let the highest earning be Rs x and the lowest earning be Rs y

$$\text{Then, } x - y = 45 \dots\dots\dots (i)$$

$$\text{And } x + y = 200 - (22.5 \times 6) = 65 \dots\dots\dots (ii)$$

From (i) and (ii)

$$x = 55 \text{ and } y = 10$$

$$\text{Required average} = \frac{145}{5} = 29$$

S140. Ans.(

Sol.

$$\text{Work} = \text{efficiency} \times \text{time}$$

Let the efficiency of a boy and a girl be $2x$ and $5x$ units/day respectively

$$\text{Total work} = (15b + 12g) \times a = (15 \times 2x + 12 \times 5x) \times a = 90ax \text{ units} \dots\dots\dots (i)$$

Also,

$$\text{Total work} = (5b + 22g) \times c = (5 \times 2x + 22 \times 5x) \times c = 120cx \text{ units} \dots\dots\dots (ii)$$

Equating (i) and (ii) we get

$$90a = 120c$$

$$\frac{a}{c} = \frac{4}{3}$$

Hence, $a + c$ will be multiple of 7.

Hence, option (e) is the correct answer