

IBPS PO Pre 2025 Memory Based Paper 23-Aug-2025-2nd shift

Directions (1-5): Read the information carefully and answer the questions given below:

Eight people – A, B, C, D, E, F, G and H are living in a four-storey building where the ground floor is numbered as 1, just above it is floor 2, then the topmost floor is numbered as 4. Each of the floors has 2 flats in it as flat-P and flat-Q. Flat-P is in the west of flat-Q. Flat P of floor-2 is immediately above flat P of floor 1 and immediately below flat P of floor 3, and so on. Similarly, flat Q of floor 2 is immediately above flat Q of floor 1 and immediately below flat Q of floor 3.

C doesn't live on an odd numbered floor. B lives to the south east of A. Only one floor gap is between A and G who lives to the east of C. H lives below B and both live in the same named flat. F lives to the north of E.

Q1. Which of the following is true?

- I. A lives on floor 2
 - II. G and C live on the same floor
 - III. No one lives on floor 4
- (a) Only I
(b) Both I and II
(c) Both II and III
(d) Only III
(e) All are true

Q2. Four of the people living in a certain way and the one who doesn't belong to that group is

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

Q3. Who lives on floor 4?

- (a) A
(b) E
(c) B
(d) F
(e) None of these

Q4. In which direction F lives with respect to G?

- (a) North-east
(b) North-west
(c) North
(d) South-east
(e) South-west

Q5. What will be the sum of the floor number of A and H?

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

Q6. How many pairs of digits are in the number 6281837, each of which have as many digits between them (both forward and backward direction) as they have between them in the number series?

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

Directions: Consider the statements given below and the conclusions numbered 1 to 4. You have to decide which of the conclusions logically follow(s) from the statements and give your answer as 1, 2, 3 or 4. If none of the conclusions follows, then give the answer as 5. If all the conclusions follow, then give the answer as 6. If only one conclusion follows, then give the answer as 7. If only two conclusions follow, then give the answer as 8. If only three conclusions follow, then give the answer as 9. If all the conclusions follow, then give the answer as 10.

Q7. Statement:

Only a few master chefs are good.
Some impressive chefs are good.
No crashed chefs are good.

Conclusion:

- I. No master chefs are good.
- II. Some impressive chefs are good.

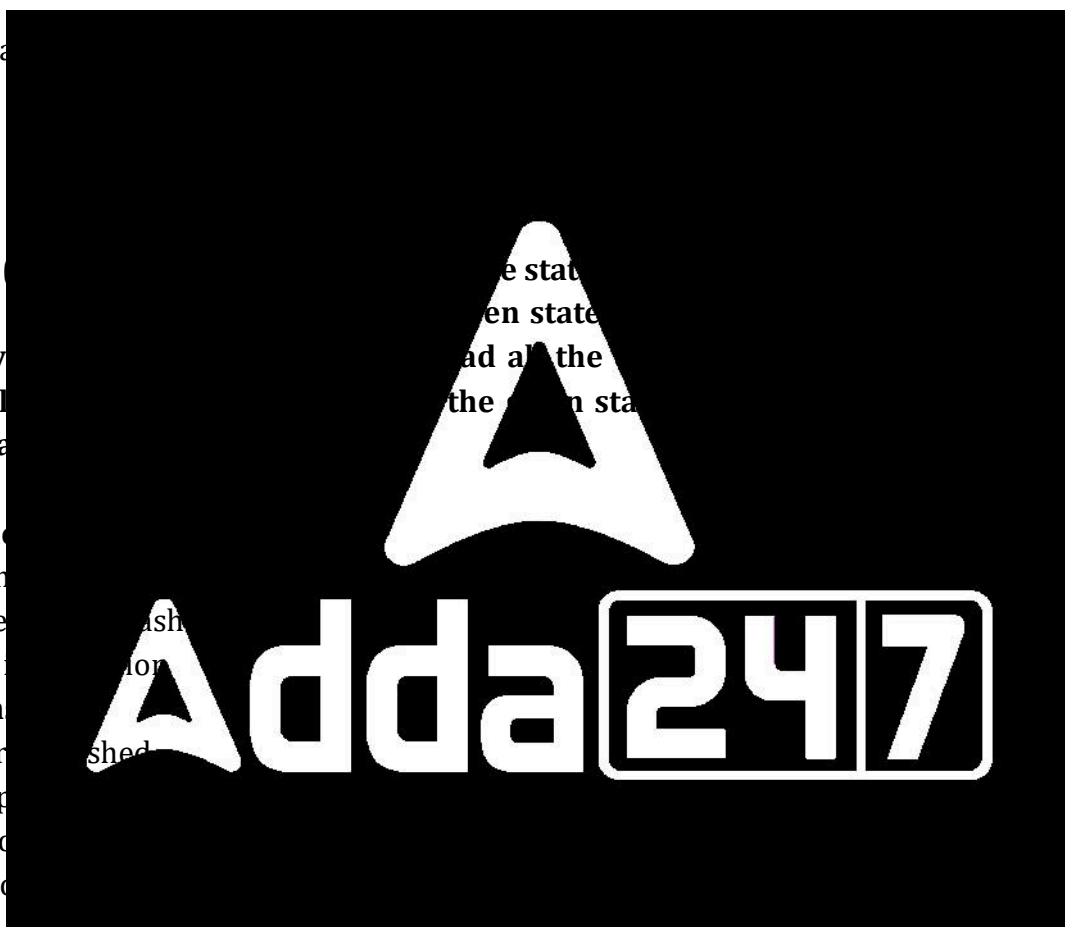
- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusions I and II follow

Q8. Statements:

Only a few Trophy is good
All good is down
No down is hunger

Conclusions:

- I. Some good is hunger
- II. Some trophy being hunger is a possibility



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

Q9. Statements:

All compare is cup.

Some cup is play

Only a few play is waiting

Conclusion

I. Some com

II. All cup is

(a) If only co

(b) If only co

(c) If either

(d) If neithe

(e) If both co

Directions

below:

Six persons-

same order.

B is heavier

heavier than

is lighter than

A is heavier than E. E is heavier than F but

not the heaviest person. E is heavier than C.

tions given

sarily in the

than B. D is

Q10. Who a

(a) A

(b) C

(c) E

(d) B

(e) None of these

Q11. How many persons are lighter to D?

(a) Two

(b) More than four

(c) Four

(d) One

(e) Three

(a) A
(b) C
(c) E
(d) B
(e) None of these

(a) CDF
(b) NOQ
(c) STW
(d) KLN
(e) QRT

Seven persons
April, May, and
Black and Grey
Two persons
days. Only one
goes just before
number of days
the one who
white. Neither

carefully
to Holiday
them like differ
one of
who likes red. N go
one who likes blue and
n. The ones a

January, March,
Blue, White,
n number of
no likes blue
ch has even
ween M and
does not like

(a) Green
(b) White
(c) Red
(d) Yellow
(e) None of these

(a) M
(b) P
(c) R
(d) O
(e) Q

Q16. How many persons go on trip between O and the one who likes Blue?

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

Q17. If all the persons go according to alphabetical order starts from January, then the position of how many persons remains unchanged?

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

Q18. Who is the father of O?

- (a) M
- (b) The one who likes Yellow
- (c) S
- (d) N
- (e) O

Q19. If the tenth, eleventh and eleventh letters (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z) are combined in any order, then how many meaningful words can be formed, mark the answer as X and if no such word can be formed, mark the answer as Y.

- (a) N
- (b) Q
- (c) E
- (d) X
- (e) Y

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

In a family of three generations, there are eight members: A, B, C, D, E, F, G, and H.

F is the sister of G. A is father of B. C is the granddaughter of G. B is the wife of D. H is the brother of D. E is the niece of H. A is the brother-in-law of F. F is not married.

Q20. How is A related to C?

- (a) Father
- (b) Grandfather
- (c) Brother
- (d) Uncle
- (e) None of these

Q21. How is the sister-in-law of H related to E?

- (a) Aunt
- (b) Sister
- (c) Niece
- (d) Grandmother
- (e) Mother

Q22. How many female members are there in the family?

- (a) Five
- (b) Four
- (c) Three
- (d) Two
- (e) One

Directions
below:

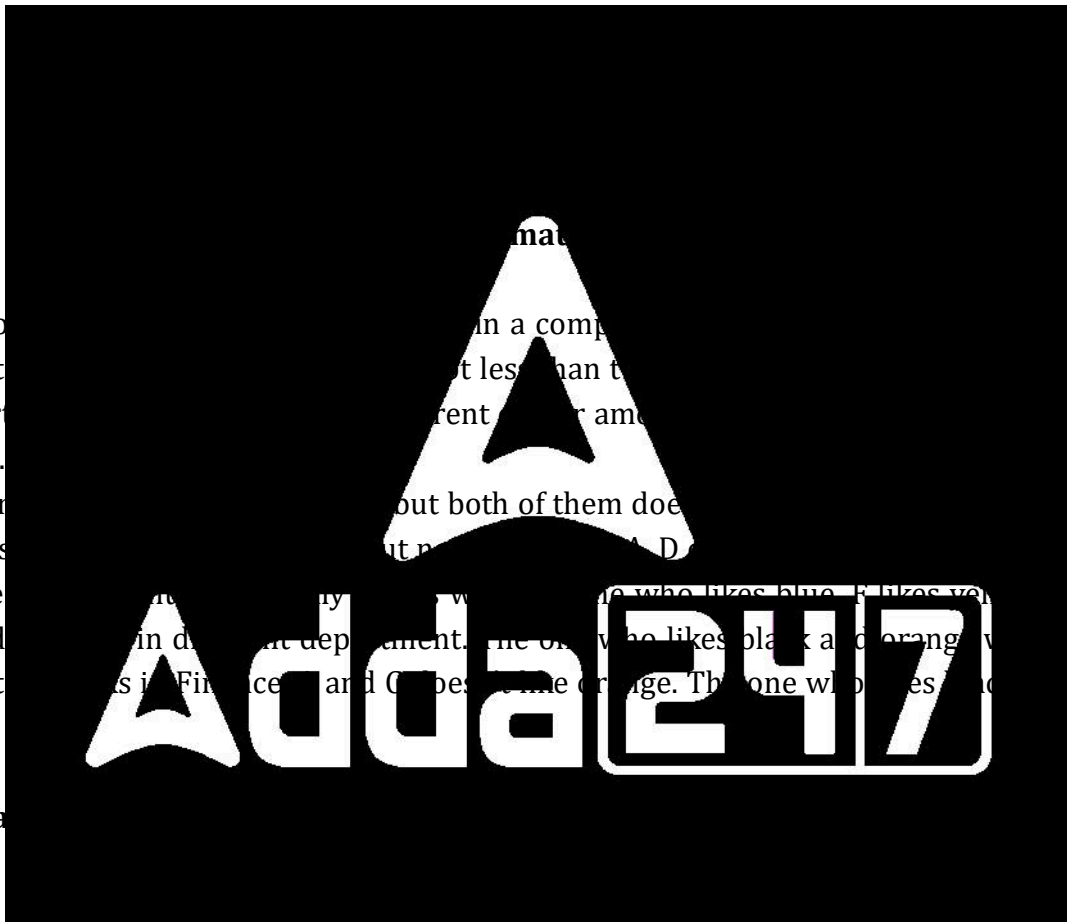
Seven persons A, B, C, D, E, F and G are working in a company in three departments. Each of them likes a different colour among White, Black, and Orange. F and A work in the same department but both of them do not like white. D works in the same department as the one who likes blue. B and C work in different departments. The one who likes black and orange works in the same department as Finance and Computer. The one who likes red doesn't work in marketing.

Q23. Who works in the HR department?

- (a) B
- (b) D
- (c) The one who likes red colour
- (d) The one who likes green colour
- (e) None of these

Q24. Which among the following combination is correct?

- (a) B – Finance – Black
- (b) A – Marketing – Green
- (c) B – HR – Blue
- (d) G – Finance – White
- (e) D – HR – Black



Q25. Which colour is liked by the person who works in the same department as E?

- (a) Black
- (b) Orange
- (c) Yellow
- (d) White
- (e) Green

Q26. Which of the following statements is not true?

- (a) The one who likes blue works in HR
- (b) A works in Marketing department
- (c) B and D
- (d) A likes G
- (e) The one

Q27. Which of the following statements is true?

- (a) C, D and
- (b) A, E and
- (c) D and A
- (d) F, B and
- (e) C and G

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

Ritika starts walking from point A towards point B. After walking 10m, she turns right and walks 4m to reach point C. From there, she turns left and walks 10m to reach point E. Then she turns left and walks 4m to reach point G. From there, she turns right and walks 10m to reach point K. Now finally, she takes the right turn again and walks for 5m to reach point L.

Q28. In which direction is point L from point A?

- (a) North
- (b) East
- (c) North-east
- (d) West
- (e) North-west

Q29. What is the shortest distance between point L and point E?

- (a) 13m
- (b) 11m
- (c) $\sqrt{113}$ m
- (d) 113m
- (e) $\sqrt{117}$ m

(a) Point A and Point B
(b) Point B and Point D
(c) Point C and Point E
(d) Point K and Point D
(e) Point E and Point G

Eight persons are working in an organization. The hierarchy of the organization is as follows:

- A is the Chairman.
- B is the Managing Director.
- C is the Manager.
- D is the Assistant Manager.
- E is the Clerk.
- F is the Junior Clerk.
- G is the Design Clerk.
- H is the Senior Clerk.
- I is the Junior Clerk.

The hierarchy is as follows:

- A is the Chairman.
- B is the Managing Director.
- C is the Manager.
- D is the Assistant Manager.
- E is the Clerk.
- F is the Junior Clerk.
- G is the Design Clerk.
- H is the Senior Clerk.
- I is the Junior Clerk.

Q31. Who is designated as Senior Member?

(a) The one who is relatively junior

(b) A

(c) The one who is significantly more experienced

(d) G

(e) B

Q32. How many years has the respondent been senior to F2?

(a) Three

(b) Five

(c) Four

(d) Six

(e) Two

Q33. Which of the following is the designation of D?

- (a) Managing Director
- (b) Deputy General Manager
- (c) Senior Manager
- (d) Manager
- (e) Assistant Manager

Q34. The number of persons designated senior to A is same as the number of persons designated junior to ____.

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

Q35. If B is related to Deputy General Manager and in the same way D is related to clerk then, E is related to

- (a) Managing
- (b) Clerk
- (c) General
- (d) Manager
- (e) Senior M

Directions Choose the correct word or phrase to complete the following sentence.

- Q36. (A)** In _____, the brain waves are of a type _____.
(B) Human sleep consists of _____ non-REM stages.
(C) Whereas _____, deep includes _____ stages of _____.
(D) During _____, the body temperature _____.
(E) Each stage _____, _____ and _____ recovery.
- (a) B – A – D – C – E
 - (b) B – D – C – A – E
 - (c) B – D – C – E – A
 - (d) D – C – B – A – E
 - (e) No rearrangement

- Q37. (A)** Many users share personal data without realizing the consequences.
(B) This can lead to identity theft and targeted surveillance.
(C) Internet privacy is a growing concern in the digital age.
(D) Companies often collect and store user information for various purposes.
(E) Therefore, users must take steps to protect their online identity.
- (a) C – D – A – B – E
 - (b) A – D – B – C – E
 - (c) B – D – A – C – E
 - (d) D – A – C – B – E
 - (e) No rearrangement required

- Q38.** (A) Oceans absorb a significant amount of the Earth's heat.
(B) This heat absorption regulates global climate and weather patterns.
(C) These changes highlight the link between oceans and climate change.
(D) Warmer oceans disrupt marine ecosystems and intensify storms.
(E) However, excess heat is causing ocean temperatures to rise.
(a) B – D – A – C – E
(b) A – C – B – D – E
(c) B – A – D – C – E
(d) A – B – E – D – C
(e) No rearrangement required

- Q39.** (A) On the one hand, the rise of digital payment methods has improved the efficiency of transactions.
(B) It improves the convenience of transactions for consumers.
(C) Development of digital payment methods has led to the rise of digital payment methods.
(D) On the one hand, the rise of digital payment methods has improved the efficiency of transactions.
(E) These advantages have led to the rise of digital payment methods.
(a) C – A – B – D – E
(b) A – C – B – D – E
(c) C – B – A – D – E
(d) C – A – D – B – E
(e) No rearrangement required

Directions

In recent years, digital payment methods have expanded rapidly, with a pivotal role. From groceries to online shopping, every purchase now passes through digital gateways such as Alipay and WeChat Pay. These digital payment methods, providing convenience and efficiency, have become the dominant force in the market, but the overcharging practices of digital payment methods have become a growing concern. Merchants and consumers have complained that the transaction fees are too high, which is advertised. Small firms, in particular, feel the burden of these payment fees, which is competitive in a market where cash is steadily declining. Many local businesses are under the pressure of mounting costs and dependence on digital payment methods. _____ how A recent report shows that transaction fees for digital payment methods are 1% and 3% per transaction, even higher. The issue is not just about percentages; merchants also face delays in settlement, mandatory promotional tie-ins, and penalties for using alternative platforms. These tactics create an environment where **firms** have little choice but to comply. Interestingly, consumers remain largely unaware of the scale of overcharging because the extra costs are often folded into the final prices of goods and services. In a way, the **weather** of the broader economy—rising inflation, slowing exports, and unpredictable growth—makes these charges even harder to digest. Instead of encouraging financial freedom, these practices contribute to a sense of dependency on a few dominant players. Observers warn that if unchecked, this trend could harm innovation in the long run. The monopolistic grip of payment giants not only squeezes small firms but also discourages new entrants from experimenting with alternative solutions. Unless greater transparency and regulatory oversight are introduced, the promise of a seamless digital economy may end up costing more than it delivers.

Q40. What is the central irony described in the passage regarding digital payment gateways in China?

- (a) Consumers believe digital platforms are free, though they are highly profitable.
- (b) Platforms intended to help small merchants are instead contributing to their collapse.
- (c) China developed digital payment systems for rural areas but they are only used in cities.
- (d) Regulatory authorities fail to notice the dominance of platforms like Alipay and WeChat Pay.
- (e) Consumers benefit more than merchants due to government subsidies on transactions.

Q41. How does the overall state of the economy affect the problems caused by digital payment platforms, according to the passage?

- (a) It helps small merchants adapt faster to digital systems.
- (b) It makes
- (c) It increases
- (d) It incentivizes
- (e) It drives

Q42. Which of the following is/are mentioned in the passage?

- (I) Digital payment platforms have been viewed as a double-edged sword.
 - (II) Delays in government intervention have been a part of the problem.
 - (III) Consumers have been complaining against the high charges levied by the platforms.
- (a) Only (I)
 - (b) Both (I) and (II)
 - (c) Only (III)
 - (d) Both (I) and (III)
 - (e) All (I), (II) and (III)

Q43. Which of the following statements is/are TRUE according to the passage?

- (I) The majority of consumers are well-informed about the extra charges levied by payment platforms.
 - (II) The competition between different digital payment platforms is intense.
 - (III) All Chinese consumers have adopted digital payment platforms.
- (a) Only (I)
 - (b) Only (II)
 - (c) Both (I) and (II)
 - (d) Both (I) and (III)
 - (e) All (I), (II), and (III)

Q44. Choose the most suitable word for the given blank.

- (a) informs
- (b) produces
- (c) change
- (d) highlights
- (e) payment

Q45. Choose the word that can best replace the word “weather” in the passage.

- (a) Atmosphere
- (b) Condition
- (c) Climate
- (d) Situation
- (e) Storm

Q46. Which of the following is the most appropriate synonym of “firms” in the context of the passage?

- (a) Companies
- (b) Holds
- (c) Contracts
- (d) Stubborn
- (e) Customer

Q47. In the

- (a) Expanded
- (b) Closed
- (c) Shrunk
- (d) Evolved
- (e) Joined

Q48. In the

is error-free

have errors

- (a) The Indian
- (b) Front ru
- (c) The Mar
- (d) Blackbu
- (e) None are

Q49. In the

is error-free

have errors

- (a) Patachit
- (b) Critical r
- (c) Drip pricing adds extra charges to advertising prices, deceiving consumers.
- (d) Migration affects economies, creating opportunities and challenges to both regions.
- (e) None are correct

Q50. In the question below, four sentences have been given. Out of four sentences, one sentence is error-free. Find out which of the following sentences is error-free. If all the given sentences have errors, then choose option ‘All are incorrect’ as your answer choice.

- (a) Sailfin catfish is freshwater fish with distinctive fins and vibrant coloration.
- (b) Meitei Sagol is a traditional breeds of horse in Manipur.
- (c) Foot rot disease affects livestock, causing pain, lameness, and productive loss.
- (d) Areca nut is widely consumed across Asia for its stimulant properties.
- (e) None are correct

Q51. In the question below, four sentences have been given. Out of four sentences, one sentence is error-free. Find out which of the following sentences is error-free. If all the given sentences have errors, then choose option 'All are incorrect' as your answer choice.

- (a) Bhishm Cube is an intricate puzzle challenge logical thinking and strategy.
- (b) India VIX measured market volatility and investor sentiment in Indian markets.
- (c) The paradox of thrift suggests saving most would harm economic growth.
- (d) The Panama Canal connects the Atlantic and Pacific Oceans, enabling global trade.
- (e) None are correct

Directions (52-57): In the following passage, there are blanks, each of which has been denoted by a letter. For each blank, five options are given. Choose the most appropriate word from the options that follow.

In a healthy family, parents provide guidance and support to their children, help them understand their roles and responsibilities, and encourage them to learn from their experiences and relationships. They also provide emotional support, providing us with a sense of security and stability. When junior members of the family are involved in mutual cooperation, they can achieve their goals more effectively. Hence, mutual cooperation is essential for the success of a family.

Q52. Which of the following words best fits in blank A?

- (a) demand
- (b) growth
- (c) offer
- (d) review
- (e) wait

Q53. Which of the following words best fits in blank B?

- (a) nervous
- (b) lazy
- (c) empty
- (d) anxiety
- (e) complete

Q54. Which of the following words best fits in blank C?

- (a) delay
- (b) confuse
- (c) recruit
- (d) guess
- (e) speed

Q55. Which of the following word best fits in blank D?

- (a) blocks
- (b) pursues
- (c) fulfilled
- (d) fosters
- (e) integrate

Q56. Which of the following word best fits in blank E?

- (a) adhered
- (b) welcomed
- (c) tired
- (d) regulated
- (e) restricted

Q57. Which of the following word best fits in blank F?

- (a) critical
- (b) nominal
- (c) analytical
- (d) accrual
- (e) minimal

Directions (a) The words are may not be in the correct combination. The correct combination of words is grammatically correct and that replace each other.

Q58. Recent knowledge,

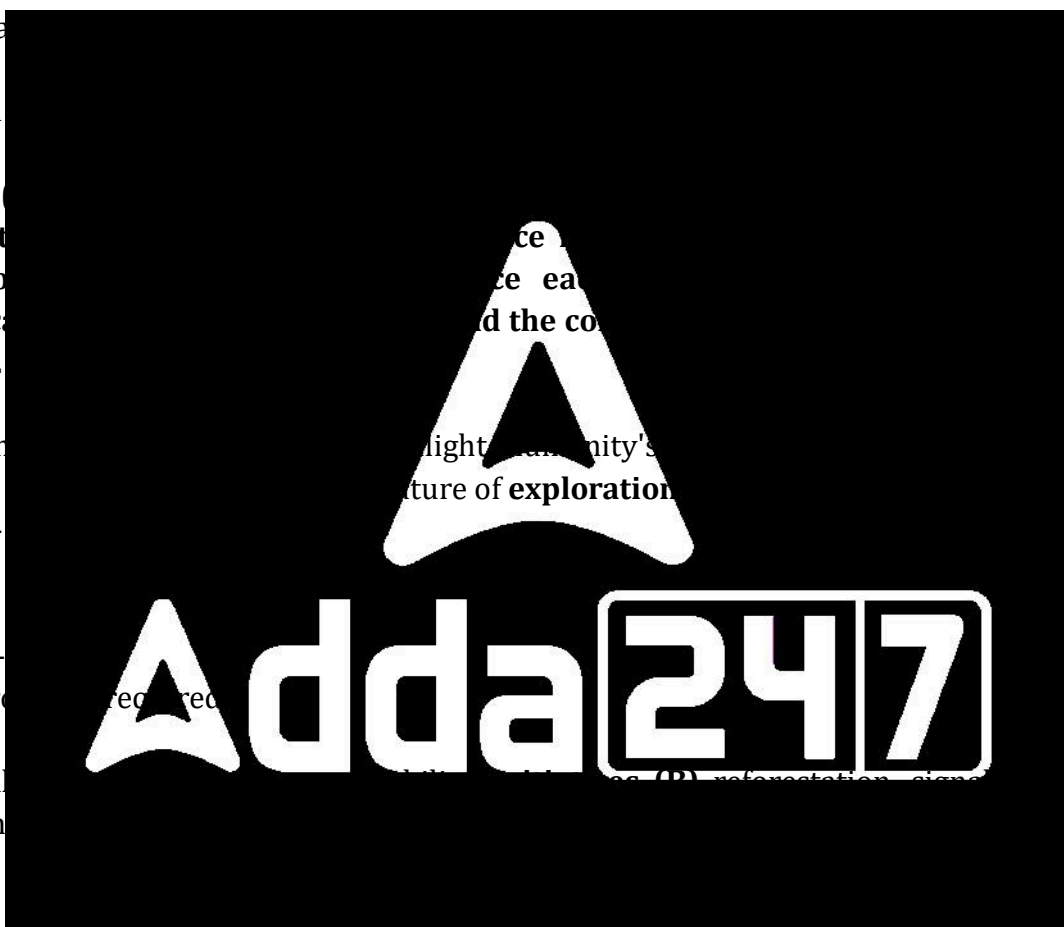
- (a) B-C & A-D
- (b) A-B
- (c) C-D
- (d) A-C & B-D
- (e) No interchange required

Q59. Global commitment

- (a) A-D
- (b) B-C
- (c) A-B & C-D
- (d) D-B & C-A
- (e) No interchange required

Q60. Innovative (A) educational tech, from (B) virtual classrooms to interactive apps, is reshaping (C) learning, offering dynamic and personalized (D) experiences.

- (a) D-B & C-A
- (b) A-D
- (c) B-C
- (d) A-B & C-D
- (e) No interchange required



Q61. Artificial Intelligence **transforms (A)** healthcare with precise **diagnostics (B)** and personalized treatments, **era (C)** in a new **ushering (D)** of medical advancements.

- (a) A-B & C-D
- (b) A-C & B-D
- (c) C-D
- (d) A-D
- (e) No interchange required

Directions (62-63): In the question below, a few phrases are given in two columns. Choose the **best possible combination of phrases as the answer from the given options, in order to form a meaningful sentence.**

Q62. COLUMN I

- (A) As the old
- (B) Setting of
- (C) The class

COLUMN II

- (D) that a w
- (E) at home
- (F) hidden t

- (a) C-E & A-
- (b) B-F
- (c) B-D & C-
- (d) A-E
- (e) None of

Q63. COLUMN I

- (A) Amidst c
- (B) Beneath
- (C) Before s

COLUMN II

- (D) echoing
- (E) of unexp
- (F) while my

- (a) C-E
- (b) B-D & A-E
- (c) C-D & B-F
- (d) A-F
- (e) None of the above



Directions (64-65): In each question, a phrasal verb is provided. Identify the sentence(s) in which the phrasal verb has been used correctly.

Q64. Bring up

- (I) She decided to bring up the issue of salary during the meeting.
- (II) They had to bring up the old furniture from the basement.
- (III) Her grandparents brought her up after her parents passed away.

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

Q65. Look after

- (I) She stayed home to look after her younger brother.
 (II) The manager promised to look after the complaints personally.
 (III) He wanted to look after the documents before signing the contract.

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

Directions
pencils in five shops.

Shops	Total pencils	Mechanical pencils	Wooden pencils
A	38	12	26
B	47	15	32
C	11	5	6
D	75	9	66
E	40	42	0

Note – Cost of mechanical pencil is Rs 5 and wooden pencil is Rs 2.

Q66. Find the ratio of mechanical pencil in D to wooden pencil in E.

- (a) 16:5
 (b) 5:1
 (c) 1:6
 (d) 1:5
 (e) 1:2

Q67. Find the total cost of mechanical pencils in all the shops.

- (a) 100
 (b) 200
 (c) 160
 (d) 150
 (e) 102

Q68. Find the average number of wooden pencil in A, mechanical pencil in B and E.

- (a) 10
 (b) 5
 (c) 16
 (d) 15
 (e) 12

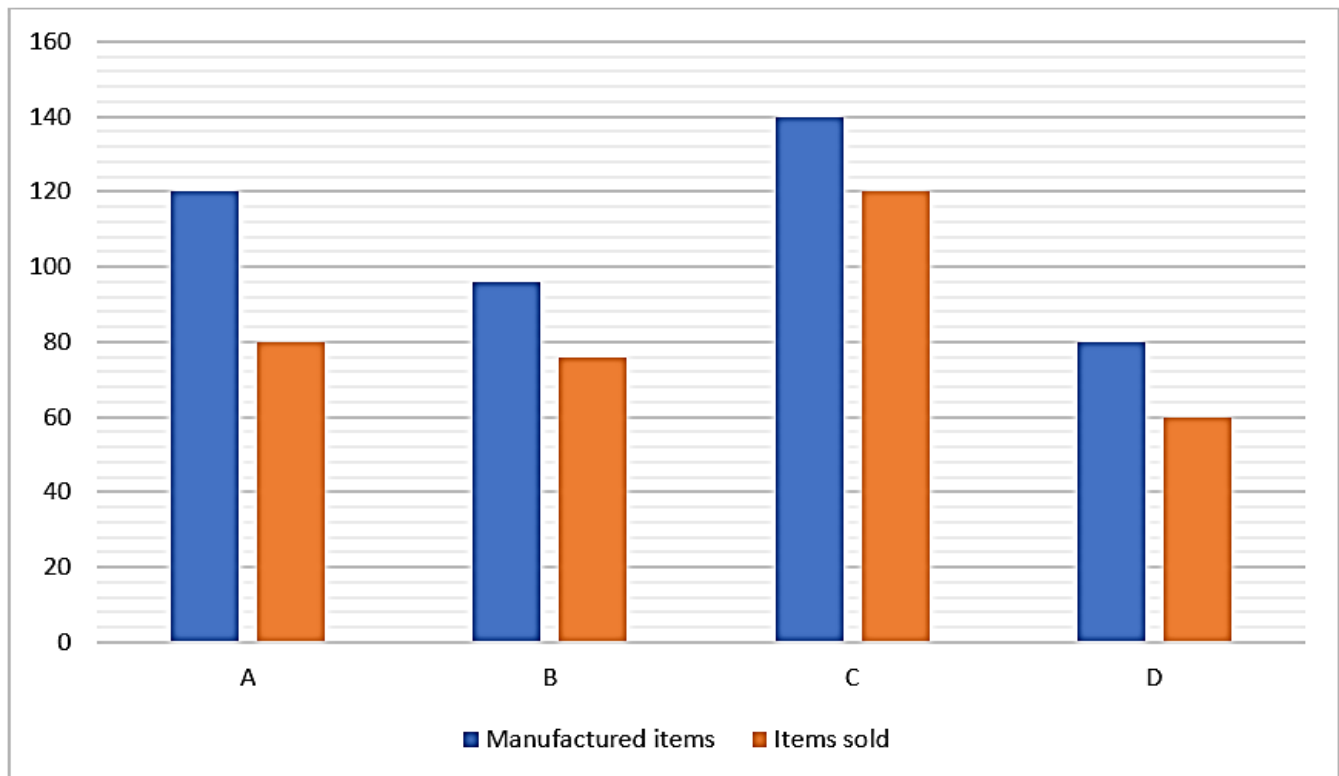
Q69. Shop B sold 20% of wooden pencil at the profit of 20% and rest at the profit of 50%. Find the total selling price of wooden pencil.

- (a) 292
- (b) 215
- (c) 246
- (d) 232
- (e) 252

Q70. The ratio of total pencil in E to total pencil in C is 5: 7 and shop E has 30% more than wooden pencil than shop C. Find the total selling price of wooden pencil sold by E.

- (a) 102%
- (b) 105%
- (c) 106%
- (d) 112%
- (e) 110%

Directions Study the following bar chart and answer the questions. The bar chart shows the total items manufactured and sold by these companies A, B, C and D. It also shows the profit amount of each item of A, B, C & D.



Note – Profit amount of each item of A, B, C & D are 20, 25, 85, 90.

Q71. Find the ratio of items sold by A and B together to unsold items of C and D together.

- (a) 39:10
- (b) 20:19
- (c) 40:41
- (d) 32:39
- (e) 22:21

Q72. Unsold items of A, B and C is what percentage of total items sold by C.

- (a) 42%
- (b) 66.66%
- (c) 40%
- (d) 32%
- (e) 33.33%

Q73. If the total selling price of all the sold items of A and B is Rs. 15000 and the difference between the total selling price of all the sold items of C and D is Rs. 1000, then find the total selling price of all the sold items of C and D.

- (a) 14800
- (b) 18000
- (c) 14000
- (d) 31200
- (e) 18600

Q74. If the total selling price of all the sold items of A and B is Rs. 15000, then find the total selling price of all the sold items of C and D if the total selling price of all the sold items of C and D is 10% more than the total selling price of all the sold items of A and B.

- (a) 4200
- (b) 2000
- (c) 4000
- (d) 3200
- (e) 2200

Q75. If the item C is marked up by 20% of cost price and give a discount of 10%. Find the marked price of the each item of C.

- (a) 1292
- (b) 1275
- (c) 1245
- (d) 1235
- (e) 1220

Q76. A shopkeeper marked up an article 2R% above cost price and allow a discount of 25% and sold it loss of 19% at Rs. 648. Find the value of 'R'?

- (a) 8
- (b) 6
- (c) 5
- (d) 4
- (e) 3

Directions (77-81): In each series one term is wrong you have to find the wring term of each series.

Q77. 8, 129

- (a) 8
- (b) 129
- (c) 1477
- (d) 950
- (e) 2318

Q78. 7, 8,

- (a) 8
- (b) 216
- (c) 180
- (d) 55
- (e) 16

Q79. 110, 1

- (a) 110
- (b) 120
- (c) 95
- (d) 100
- (e) 125

Q80. 3, 6, 27, 100, 505, 3036, 21259

- (a) 21259
- (b) 505
- (c) 6
- (d) 27
- (e) 100



Q81. 213, 221, 331, 345, 365, 395, 431

- (a) 213
- (b) 221
- (c) 345
- (d) 395
- (e) 431

Directions (82-86): What approximate value should come in place of (?) in the following questions.

Q82. $1620.02 \div 44.92 + 892.6 \div (46.98)^2 = ?$

- (a) 50
- (b) 42
- (c) 48
- (d) 40
- (e) 45

Q83. $(11.99$

- (a) 1030
- (b) 980
- (c) 1065
- (d) 1090
- (e) 1025

Q84. $3875 \div$

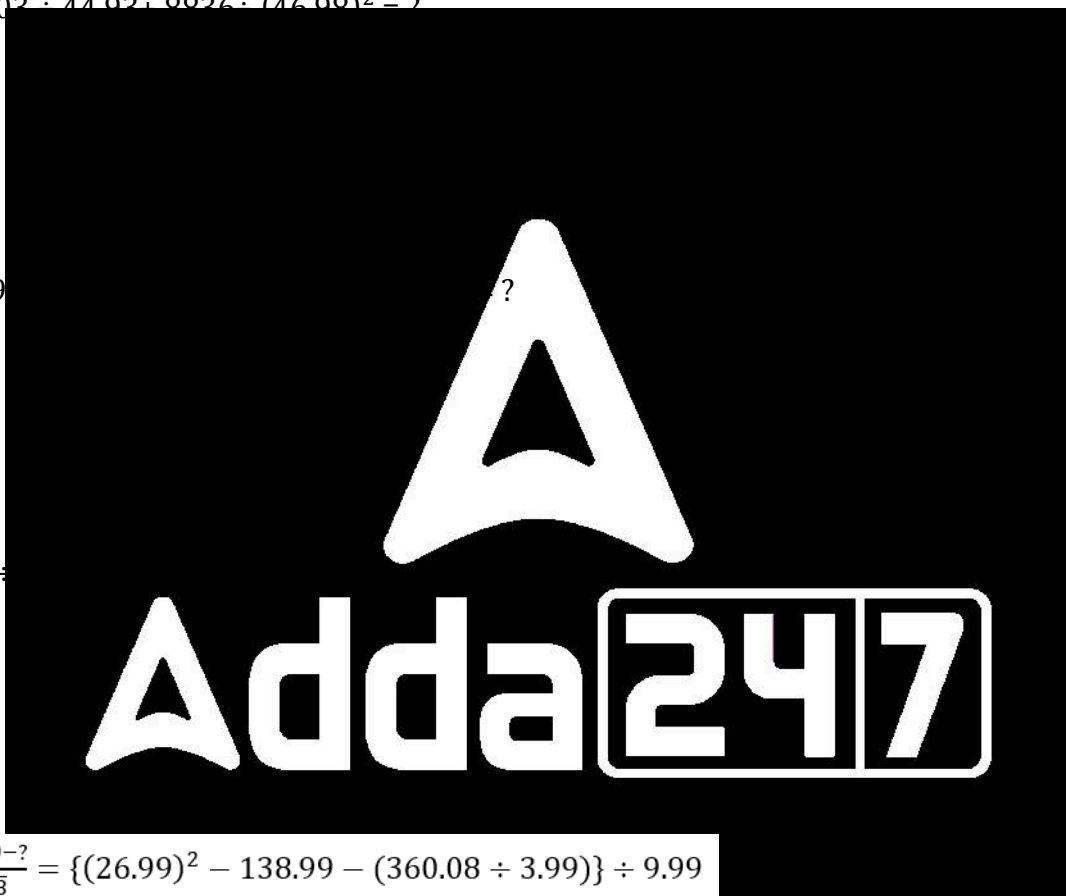
- (a) 45
- (b) 49
- (c) 41
- (d) 47
- (e) 43

Q85. $\frac{2511.99 - ?}{\sqrt{1368}} = \{(26.99)^2 - 138.99 - (360.08 \div 3.99)\} \div 9.99$

- (a) 662
- (b) 735
- (c) 679
- (d) 701
- (e) 726

Q86. $(? \div 17.99) \times 5.99 = 319.87\% \text{ of } 60$

- (a) 560
- (b) 568
- (c) 554
- (d) 576
- (e) 578



Q87. A spend 25% of his monthly income on rent and 20% of remaining in food, 40% remaining in traveling and rest he saved. If total monthly saving of A is Rs.10800, then find the monthly income of A. (in Rs.)?

- (a) 25000
- (b) 30000
- (c) 21000
- (d) 40000
- (e) 48000

Q88. Two trains, A and B, are moving at speeds of 60 km/h and 80 km/h respectively. Train A crosses a platform that is 150 meters long in 15 seconds, while Train B crosses a pole in 18 seconds. What is the length of train A?

- (a) 320
- (b) 160
- (c) 420
- (d) 400
- (e) 500

Q89. In a mixture of 60 liters, the ratio of milk and water is 5:1. If 10 liters of water is added into the mixture, then the ratio of milk and water becomes equal. What is the quantity of milk in the final mixture (in liters)?

- (a) 25
- (b) 24
- (c) 5
- (d) 20
- (e) 15

Q90. A can complete 40% of a work in 8 days, while B takes four more days than that of A to complete the same work. Find the time taken by A and B together to complete the same work (in days)?

- (a) $7\frac{10}{11}$
- (b) $8\frac{10}{11}$
- (c) $9\frac{10}{11}$
- (d) 10
- (e) $10\frac{10}{11}$

Q91. The length of the rectangle is 20% more than its breadth. If the side of a square is equal to the breadth of rectangle, then find the respective ratio of area of square to that of rectangle?

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

Q92. A boat covers 120 km in six hours in downstream. The respective ratio of speed of boat in still water and speed of stream is 3: 1. If speed of stream is increased by 80%, then find in how much time the boat will cover 84 km in upstream?

- (a) 12 hours
- (b) 14 hours
- (c) 10 hours
- (d) 15 hours
- (e) 16 hours

Q93. A invests Rs.5600 on simple interest at R% for four years and he invested Rs.4800 on compound interest at 10% for four years. If the simple interest is Rs. 672 more than that of compound

- (a) 7.5
- (b) 8
- (c) 1.5
- (d) 10
- (e) 12

Q94. A and B invest in a business in the ratio 3 : 2. After eight months A leaves the business. The profit at the end of the year is Rs 5400 out of the total

- (a) 2500
- (b) 4000
- (c) 1600
- (d) 5000
- (e) 6500

Q95. The average weight of 75 students in a class is 40 kg. There are 40 boys and girls in the class. The average weight of boys is 22 kg and girls is 38 kg, respectively. If the ratio of boys and girls in the class is $x : y$, then find X?

- (a) 16
- (b) 24
- (c) 48
- (d) 8
- (e) 32

Q96. The ratio of present age of A to B's is 3 : 2. Five years ago, A age was twice than that of B age at that time. Five years hence, sum of ages of A and B is equal to C age at that time. Find present age of C (in years)?

- (a) 35
- (b) 40
- (c) 20
- (d) 25
- (e) 30

Q97. Set X contains seven consecutive even numbers which sum is 630. Set Y contains five consecutive odd numbers whose sum is 295.

Quantity I: What is average of first four consecutive even number of the set X.

Quantity II: 27 more than average of first two numbers of set Y.

- (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

Q98. What is the S.I accrued on a principle of Rs.6000 in 5 years.

Quantity I – The rate of interest for the first 2 years is 10% and for the last 3 years is 15%.

Quantity II – Rs.3900

- (a) Quantity
- (b) Quantity
- (c) Quantity
- (d) Quantity
- (e) Quantity

Q99. In the are en, o as 'Quantity
II'. You have betw two appropriate
option.

Quantity I: s of milk and water in If Y liters of
mixture are milk an when the ratio
of milk to w

Quantity II

- (a) Quantity
- (b) Quantity
- (c) Quantity
- (d) Quantity
- (e) Quantity

Q100. In the Quantity II'.
You have to determine relationship between two quantities and choose the appropriate option.

Quantity I: The average age of 21 people is 64 years. If the age of a new person is added the new average age becomes 64.5 years, then find the age of new person.

Quantity II: There are 14 people in a family and the average age of all the family members is 30 years. A new baby born in a family, after 4 years what will be the average age of the all-family member.

- (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

Solutions

S1. Ans.(e)

Sol.

Floor	Flat P	Flat Q
4	A	D
3	F	B
2	C	G
1	E	H

S2. Ans.(b)

Sol.

Floor	Flat
4	A
3	F
2	C
1	E

S3. Ans.(c)

Sol.

Floor	Flat
4	A
3	F
2	C
1	E

S4. Ans.(b)

Sol.

Floor	Flat P	Flat Q
4	A	D
3	F	B
2	C	G
1	E	H

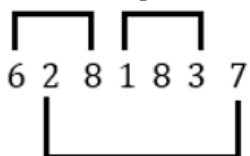
S5. Ans.(d)

Sol.

Floor	Flat P	Flat Q
4	A	D
3	F	B
2	C	G
1	E	H

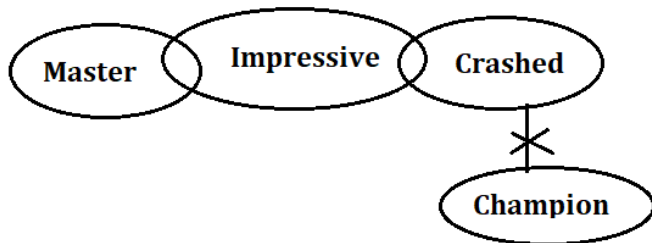
S6. Ans.(e)

Sol. Three pairs found



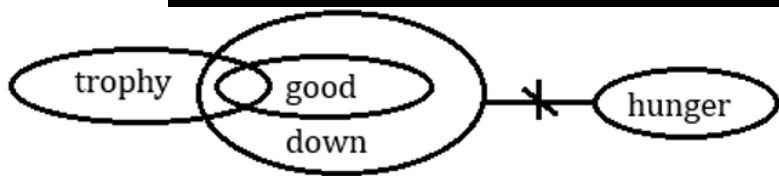
S7. Ans.(b)

Sol.



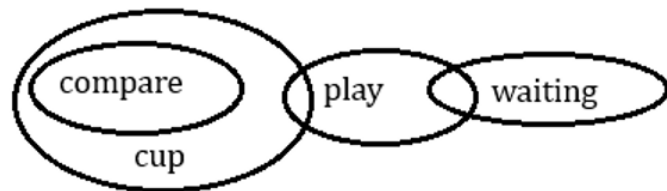
S8. Ans.(b)

Sol.



S9. Ans.(a)

Sol.



S10. Ans.(a)

Sol.

1 > 2 > 3 > 4 > 5 > 6
A > D > B > F > E > C

S11. Ans.(c)

Sol.

1 > 2 > 3 > 4 > 5 > 6
A > D > B > F > E > C

S12. Ans.(d)

Sol.

1 > 2 > 3 > 4 > 5 > 6
A > D > B > F > E > C

S13. Ans.(c)

Sol. Except STW, logic is here:



S14. Ans.(b)

Sol.

Months
January
March
April
May
June
July
August



S15. Ans.(a)

Sol.

Months
January
March
April
May
June
July
August

S16. Ans.(a)

Sol.

Months	Persons - Colors
January	O - Yellow
March	S - black
April	N - Grey
May	P - Blue
June	R - Green
July	M - Red
August	Q - White

S17. Ans.(d)

Sol.

Months	Persons - Colors
January	O - Yellow
March	S - black
April	N - Grey
May	P - Blue
June	R - Green
July	M - Red
August	Q - White

S18. Ans.(b)

Sol.

Months
January
March
April
May
June
July
August

S19. Ans.(c)

Sol. QUEEN

S20. Ans.(b)

Sol.

F (-) — G (-) = A (+)
|
B (-) = D (+) — H (+)
|
C (-) — E (-)

S21. Ans.(e)

Sol.

F (-) — G (-) = A (+)
|
B (-) = D (+) — H (+)
|
C (-) — E (-)

S22. Ans.(a)

Sol.

F (-) — G (-) = A (+)
|
B (-) = D (+) — H (+)
|
C (-) — E (-)



S23. Ans.(b)

Sol.

Departments	Persons - Colours
HR	D - Blue
	C - White
Marketing	A - Green
	E - Red
Finance	F - Yellow
	B - Orange
	G - Black

S24. Ans.(b)

Sol.

Departments	Persons - Colours
HR	D - Blue
	C - White
Marketing	A - Green
	E - Red
Finance	F - Yellow
	B - Orange
	G - Black

S25. Ans.(e)

Sol.

Departments	Persons - Colours
HR	D - Blue
	C - White
Marketing	A - Green
	E - Red
Finance	F - Yellow
	B - Orange
	G - Black

S26. Ans.(c)

Sol.

Departments	Persons - Colours
HR	D - Blue
	C - White
Marketing	A - Green
	E - Red
Finance	F - Yellow
	B - Orange
	G - Black

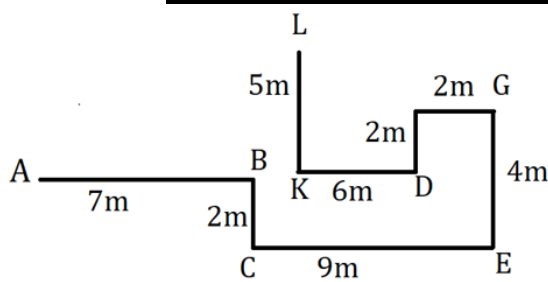
S27. Ans.(d)

Sol.

Departments	Persons - Colours
HR	D - Blue
	C - White
Marketing	A - Green
	E - Red
Finance	F - Yellow
	B - Orange
	G - Black

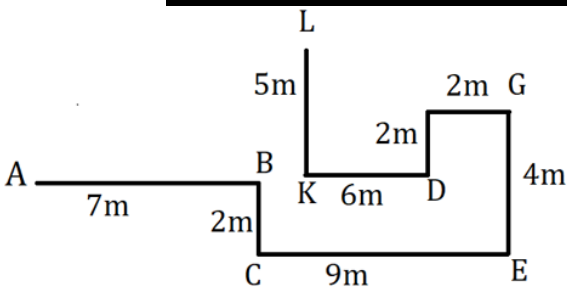
S28. Ans.(c)

Sol.



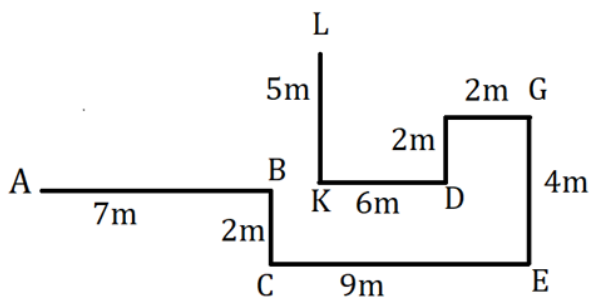
S29. Ans.(c)

Sol.



S30. Ans.(e)

Sol.



Except Point E and Point G, in other options first point is to the west of second point.

S31. Ans.(c)

Sol.

Designations	Persons
Chairman	E
MD	B
GM	G
DGM	A
SM	H
Manager	D
AM	C
Clerk	F

S32. Ans.(c)

Sol.

Designation
Chairman
MD
GM
DGM
SM
Manager
AM
Clerk

S33. Ans.(d)

Sol.

Designation
Chairman
MD
GM
DGM
SM
Manager
AM
Clerk



S34. Ans.(b)

Sol.

Designations	Persons
Chairman	E
MD	B
GM	G
DGM	A
SM	H
Manager	D
AM	C
Clerk	F

S35. Ans.(c)

Sol.

Designations	Persons
Chairman	E
MD	B
GM	G
DGM	A
SM	H
Manager	D
AM	C
Clerk	F

E is related to General Manager. Logic here is - the first person is designated two persons senior to the designation.

S36. Ans.(b)

Sol. Final C

B - D - C - E

Step-by-step

1. (B) is the
2. It introd
3. "Human
4. (D) follo
5. "During
6. (C) cont
7. "Wherea
8. This mus
9. (E) gene
10. "Each st
11. (A) conc
12. "In all, th
13. "This cyc

S37. Ans.(a)

Sol. Correct

Step-by-step

1. **Sentence**
2. "Internet privacy is a growing concern in the digital age."
3. This must be the **opening sentence**.
4. After introducing the concern, the paragraph should describe **who collects user data and how**.
5. So, (D) fits next:
6. "Companies often collect and store user information..."
7. Then, (A) highlights **user behavior** in this context:
8. "Many users share personal data without realizing the consequences."
9. Logically follows (D), as both deal with how data gets exposed.
10. Next, we explain the **consequences** of this data sharing — that's (B):
11. "This can lead to identity theft and targeted surveillance."
12. Finally, (E) concludes with a **recommendation**:
13. "Therefore, users must take steps to protect their online identity."
14. The word "Therefore" shows it's a conclusion based on the previous problems.

S38. Ans.(d)

Sol. Correct sequence: (d) A – B – E – D – C

Step-by-step Analysis:

1. Sentence (A) introduces the topic by stating that oceans absorb Earth's heat. This is the logical starting point.
2. Sentence (B) follows, explaining the effect of that heat absorption—regulation of climate and weather. "This heat absorption" clearly refers to (A).
3. Sentence (E) introduces a contrast with the word "however," showing that too much heat is now being absorbed, leading to warming oceans.
4. Sentence (D) continues the cause-effect sequence, showing the consequences of warmer oceans.
5. Sentence (C) concludes the sequence by stating that the warming of the oceans leads to climate change.

S39. Ans.(a)

Sol. Correct

Step-by-step

- 
1. **Sentence** (A) introduces the factory as the source of the problem.
2. *"Developing countries have multiple cognitive advantages."*
3. This sets the stage for the comparison.
4. **Sentence** (B) introduces the contrast by using the phrase "On the other hand," which contrasts later.
5. So (A) should be followed by a sentence that introduces (C).
6. **Sentence** (C) continues the comparison by listing additional advantages of developing countries.
7. *"It improves the quality of life."* This sentence back to the main point.
8. **Sentence** (D) concludes the paragraph by summarizing the comparison and stating that the benefits of developing countries started in the past.
9. It presents a series of benefits for us in a distracted world.
10. **Sentence** (E) concludes the paragraph by stating that the benefits of developing countries are not just a passing fad.
11. *"These advantages are a reminder for back to all the benefits described, making it a natural ending line."*

S40. Ans.(b)

Sol. The key [REDACTED] *clusivity* are now becoming a source of financial strain." This points to the contradiction between the intended benefit and the actual outcome.

Detailed Analysis of Options:

- **(a) Consumers believe digital platforms are free, though they are highly profitable.**
- This is not the central irony. The passage does not state that consumers believe the platforms are free; rather, it highlights that consumers are unaware of overcharging because costs are hidden in product prices.
- **(b) Platforms intended to help small merchants are instead contributing to their collapse.**
- This captures the irony well. Digital gateways were meant to provide convenience and support business growth, but the hidden charges and high fees have pushed many small firms into losses or closure. Hence, instead of being an enabler, they have become a burden.

- **(c) China developed digital payment systems for rural areas but they are only used in cities.**
- This is not mentioned in the passage. The text focuses on transaction fees and market dominance, not geographical distribution.
- **(d) Regulatory authorities fail to notice the dominance of platforms like Alipay and WeChat Pay.**
- While the passage suggests a need for oversight, it does not claim regulators are unaware; rather, it warns about unchecked dominance in the future.
- **(e) Consumers benefit more than merchants due to government subsidies on transactions.**
- The passage does not mention government subsidies. Instead, it shows that consumers unknowingly bear hidden costs in higher prices, which means they don't actually benefit.

S41. Ans.(c)

Sol. From:

charges even

Detailed Analysis:

- **(a) It helps small merchants.**
- This is incorrect. The passage mentions that small merchants are often overwhelmed by the competition from large digital payment platforms. In fact, it becomes more "adversely affected" as the text states that the dominance of these platforms "stretches the throat" of small businesses.
- **(b) It makes consumers aware of hidden costs.**
- Incorrect. The passage states that consumers remain largely unaware of the scale of overcharging. It becomes more "adversely affected" as the text states that the dominance of these platforms "stretches the throat" of small businesses.
- **(c) It increases the dominance of digital payment platforms.**
- Correct. The passage discusses how digital payment platforms like Alipay and WeChat Pay have revolutionized the financial landscape, providing convenience and speed. This implies they were seen as a way to improve access and efficiency. Thus, the dominance of these platforms is a key point in the text.
- **(d) It increases the dominance of traditional payment methods.**
- Incorrect. The passage states that digital payment systems were initially perceived as tools to improve financial accessibility. They continue to grow, while traditional methods are being replaced.
- **(e) It drives consumers away from digital platforms.**
- Incorrect. The passage highlights that consumers remain largely unaware of the scale of overcharging. There is no mention of widespread protests. Hence, there is no mention of widespread protests.

S42. Ans.(b)

Sol. (b) Both

Statement-wise Analysis:

- **(I) Digital payment systems were initially perceived as tools to improve financial accessibility.**
- True. The passage mentions that platforms like Alipay and WeChat Pay "revolutionized the financial landscape, providing convenience and speed." This implies they were seen as a way to improve access and efficiency.
- **(II) Delays in settlement and penalties are part of the challenges faced by merchants using Chinese digital payment platforms.**
- True. The passage clearly states that merchants face "delays in settlement, mandatory promotional tie-ins, and penalties for using alternative platforms."
- **(III) Consumers have protested en masse against overcharging practices by payment firms.**
- False. The passage highlights that "consumers remain largely unaware of the scale of overcharging." Hence, there is no mention of widespread protests.

S43. Ans.(e)

Sol. (e) All (I), (II), and (III)

Statement-wise Analysis:

- **(I) The majority of consumers are well-informed about the extra transaction charges added by payment firms.**
- False. The passage clearly states that “consumers remain largely unaware of the scale of overcharging.”
- **(II) The convenience of digital payments has completely eliminated financial dependency on dominant platforms.**
- False. The passage says the opposite — instead of encouraging financial freedom, these practices “contribute to the dominance of a few large payment firms.”
- **(III) All payment firms charge a fee of 1–3% on transactions.**
- False. The passage states that “Chinese payment firms charge a fee of 1–3% on transactions,” but the statement is inaccurate as it generalizes to all payment firms.

S44. Ans.(d)

Sol. Correct

(d) highlight

Because the passage highlights the collapse of businesses / ... emphasizes the collapse of businesses / ...

Word Mean

1. Informs

- **English meaning:** To give information or news.
- **Example:** The teacher informed the students about the exam schedule.
- **Hindi meaning:** सूचित करना / जानकारी देना

2. Produces

- **English meaning:** To create, make or bring forth.
- **Example:** The factory produces a large quantity of goods.
- **Hindi meaning:** बनाना / उत्पन्न करना

3. Change

- **English meaning:** To make or become different.
- **Example:** The weather can change suddenly in the mountains.
- **Hindi meaning:** बदलना / परिवर्तन

4. Highlights

- **English meaning:** To emphasize or make something stand out.
- **Example:** This case highlights the need for stricter safety rules.
- **Hindi meaning:** उजागर करना / प्रमुखता देना

5. Payment

- **English meaning:** The act of giving money for goods or services.
- **Example:** She made the payment through online banking.
- **Hindi meaning:** भुगतान

S45. Ans.(d)

Sol. The relevant line is:

“In a way, the weather of the broader economy—rising inflation, slowing exports, and unpredictable growth—makes these charges even harder to digest.”

Here, “**weather**” is not used in the literal sense of climate or atmosphere. Instead, it metaphorically refers to the **overall condition/situation of the economy**.

Option Analysis:

- **(a) Atmosphere**
 - Too literal. Refers to air or surroundings, not suitable in this economic context.
- **(b) Condition**
 - Close, but still a bit too general.
- **(c) Climate**
 - Again too literal. Refers to the best fit.
- **(d) Situation**
 - Best fit. Refers to the overall condition/situation of the economy, including exports, growth, etc.
- **(e) Storm**
 - Implies a sudden, severe event, not the broader economy. Literal storm.

S46. Ans.(a)

Sol. The passage discusses the past and present of the Indian economy:

“Merchants and traders have been the backbone of the Indian economy for centuries.”

Here, “**firms**” refers to **organizations/companies**.

Word meaning:

(a) Comparison

- **Meaning (English):** A comparison or contrast between two things.
- **Example (English):** Several companies are competing in the digital payment market.
- **Meaning (Hindi):** तुलना / तुलना / तुलना

(b) Holds

- **Meaning (English):** To hold or maintain.
- **Example (English):** The company holds a large share of the market.
- **Meaning (Hindi):** धारण / धारण / धारण

(c) Contract

- **Meaning (English):** A written or spoken agreement that is legally binding.
- **Example (English):** The company signed two new contracts with suppliers.
- **Meaning (Hindi):** अनुबंध / समझौता

(d) Stubborn

- **Meaning (English):** Unwilling to change one’s opinion or behavior despite reason.
- **Example (English):** He is too stubborn to admit his mistake.
- **Meaning (Hindi):** जिद्दी / हठी

(e) Customers

- **Meaning (English):** People who buy goods or services from a business.
- **Example (English):** The shop has many loyal customers.
- **Meaning (Hindi):** ग्राहक

S47. Ans.(b)

Sol. "Many local businesses, unable to bear the pressure of mounting costs, have folded within months of adopting these systems."

Here, "folded" means **shut down or closed due to failure** — not literally folding paper.

Word meanings:

(a) Expanded

- **Meaning (English):** To increase in size, number, or importance.
- **Example (English):** The company expanded its operations to three more countries.
- **Meaning (Hindi):** विस्तार करना

(b) Closed (Correct synonym for *folded* in passage)

- **Meaning (English):** To shut down, stop operations, or bring something to an end.
- **Example (English):** The factory closed its doors due to high costs.
- **Meaning (Hindi):** बंद करना

(c) Shrunk

- **Meaning (English):** To become smaller in size or number.
- **Example (English):** The company's profits shrunk last quarter.
- **Meaning (Hindi):** घटना

(d) Evolved

- **Meaning (English):** To undergo a process of change or development over time.
- **Example (English):** The company evolved over the years.
- **Meaning (Hindi):** विकसित होना

(e) Joined

- **Meaning (English):** To connect or link together.
- **Example (English):** The company joined a new school last month.
- **Meaning (Hindi):** जोड़ना

S48. Ans.(a)

Sol.

(a) The Indian government is strategically important for global trade and development.

- **Analysis:** The sentence is grammatically correct and conveys the intended meaning.
- **Grammar:** The sentence is a simple declarative sentence.
- **Context:** The sentence is a general statement about the importance of India for global trade and development.

Error-free

(b) Front running involves illegal trading based on non-public information above transactions.

- **Error:**
- The preposition "above" is wrong. The correct phrase is "based on non-public information about transactions."
- Incorrect: *information above transactions*
- Correct: *information about transactions*

Incorrect

(c) The Marrakech Agreement focuses on global climate action since sustainable development.

- **Error:**
- Wrong connector. "since" indicates time or cause, which is incorrect here. It should be "and" or "for".
- Correct: *The Marrakech Agreement focuses on global climate action and sustainable development.*

Incorrect

(d) Blackbucks are graceful antelopes find primarily in the Indian subcontinent.

• **Error:**

- The verb form is wrong. Instead of “find”, it should be the past participle “found.”
- Correct: *Blackbucks are graceful antelopes found primarily in the Indian subcontinent.*

Incorrect

Correct Answer: (a) The Indian Ocean is strategically important for global trade and shipping.

Final Answer: (a)

S49. Ans.(a)

Sol. Let’s carefully check each option step by step.

(a) Patachitra painting is an ancient Indian art form known for storytelling.

• **Analysis:**

- Grammar: “Patachitra painting is an ancient Indian art form known for storytelling.”
- Context: Patachitra is a traditional Indian art form from Odisha, known for its intricate designs and storytelling.

Correct

(b) Critical thinking is a skill that is essential for success in the modern world.

• **Error:**

- Subject-verb mismatch: “Critical thinking is a skill that is essential for success in the modern world.”
- Correct: *Critical thinking is a skill that is essential for success in the modern world.*

Incorrect

(c) Drip pricing is a marketing strategy that involves advertising prices.

• **Error:**

- Wrong preposition: “Drip pricing is a marketing strategy that involves advertising prices.”
- Correct: *Drip pricing is a marketing strategy that involves advertising prices.*

Incorrect

(d) Migration affects economies, creating opportunities and challenges for both regions.

• **Error:**

- Wrong preposition: “Migration affects economies, creating opportunities and challenges for both regions.”
- Correct: *Migration affects economies, creating opportunities and challenges for both regions.*

Incorrect

Correct Answer: (a) Patachitra painting is an ancient Indian art form known for storytelling.

Final Answer: (a)

S50. Ans.(d)

Sol.

(a) Sailfin catfish is freshwater fish with distinctive fins and vibrant coloration.

• **Error:** Missing article.

- It should be “a freshwater fish” not “freshwater fish.”
- Correct: *Sailfin catfish is a freshwater fish with distinctive fins and vibrant coloration.*

Incorrect

(b) Meitei Sagol is a traditional breeds of horse in Manipur.

• **Error:** Subject-noun mismatch.

- “a traditional breeds” is wrong because “a” (singular) cannot modify *breeds* (plural).
- Correct: *Meitei Sagol is a traditional breed of horse in Manipur.*

Incorrect

(c) Foot rot disease affects livestock, causing pain, lameness, and productive loss.

- **Error:** Wrong word choice.
- It should be “*loss of productivity*” or “*production loss*”, not “*productive loss*.”
- Correct: *Foot rot disease affects livestock, causing pain, lameness, and loss of productivity.*

Incorrect

(d) Areca nut is widely consumed across Asia for its stimulant properties.

- **Analysis:**
- Grammatically correct: subject (*Areca nut*) + verb (*is*) + complement (*widely consumed across Asia for its stimulant properties*).
- Contextually correct: Areca nut (betel nut) is indeed consumed widely in Asia.

Correct

Correct Answer: (d) Areca nut is widely consumed across Asia for its stimulant properties.

Final Answer: (d)

S51. Ans.(d)

Sol. Let's call

(a) Bhishm

- **Error:** M
- It should
- Correct:

Incorrect

(b) India V

- **Error:** W
- *India VIX*
- Correct:

Incorrect

(c) The par

- **Error:** W
- It should
- Correct:

Incorrect

(d) The Pan

- **Analysis**
- Grammar
- Contextually correct: The Panama Canal indeed connects both oceans and facilitates global trade.

Correct

Correct Answer: (d) The Panama Canal connects the Atlantic and Pacific Oceans, enabling global trade.

Final Answer: (d)

S52. Ans.(c)

Sol. The correct answer is: (c) offer

Sentence with Blank A:

In a healthy office environment, it is important that senior employees _____ (A) guidance and support to their juniors.

Seniors don't demand or wait — they give/offer guidance.

Option Analysis:**(a) demand**

- **English:** to ask forcefully, require.
- **Hindi:** मांगना
- **Example:** *He demanded an explanation.*
- **Incorrect** – seniors don't "demand guidance," they provide it.

(b) growth

- **English:** development, increase.
- **Hindi:** वृद्धि, विकास
- **Example:** *The company saw rapid growth last year.*
- **Incorrect** – grammatically doesn't fit.

(c) offer

- **English:**
- **Hindi:** प्रस्तावित करना
- **Example:**
- **Correct**

(d) review

- **English:**
- **Hindi:** समीक्षा
- **Example:** *He reviewed the project report.*
- **Incorrect** – doesn't match the context.

(e) wait

- **English:** to stay in a place or state until something happens.
- **Hindi:** प्रतीक्षा
- **Example:**
- **Incorrect** – doesn't match the context.

Final Answer: (c) offer

S53. Ans. (a)

Sol. The correct

Sentence will be

Newcomers

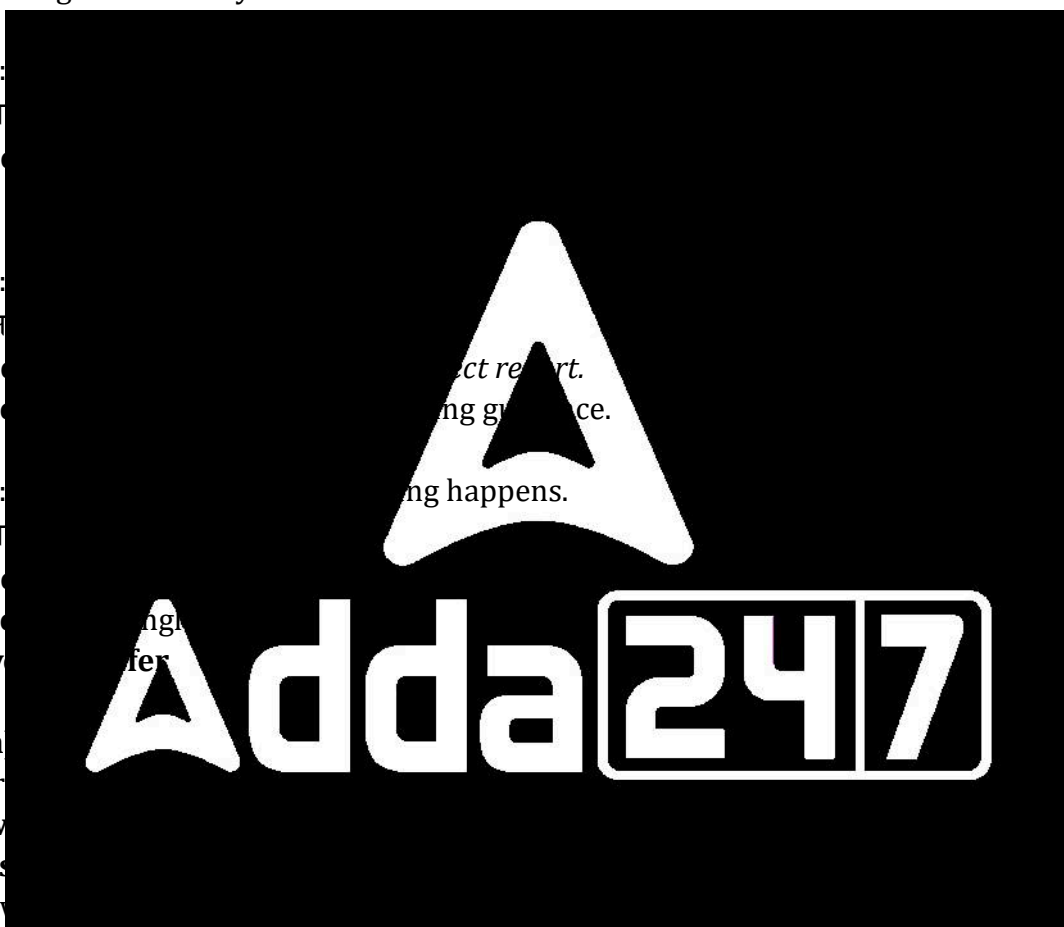
Context: New

Option Analysis:**(a) nervous**

- **English:** anxious, uneasy.
- **Hindi:** घबराया हुआ
- **Example:** *She was nervous before her first interview.*
- **Correct** – perfectly matches newcomers adjusting to a new role.

(b) lazy

- **English:** unwilling to work.
- **Hindi:** आलसी
- **Example:** *He is too lazy to finish his homework.*
- **Incorrect** – doesn't fit; newcomers aren't lazy, they're adjusting.



sibilities.

(c) empty

- **English:** not filled.
- **Hindi:** खाली
- **Example:** *The bottle is empty.*
- **Incorrect** – irrelevant to emotions at work.

(d) anxiety

- **English:** feeling of worry (noun).
- **Hindi:** चिंता
- **Example:** *He suffers from anxiety before presentations.*
- **Incorrect form** – needs an adjective (*anxious/nervous*), not a noun.

(e) complete

- **English:**
- **Hindi:** पूरा
- **Example:**
- **Incorrect**

Final Answer

S54. Ans.(e)

Sol. The correct

Sentence will be

A helpful senior learning process providing useful tips.

Context: Senior learning faster/easier.

Option Analysis

(a) delay

- **English:** to postpone or put off.
- **Hindi:** देर
- **Example:** *The traffic delay with the bus.*
- **Incorrect** – opposite meaning.

(b) confuse

- **English:** to make someone unable to think clearly.
- **Hindi:** उलझाना
- **Example:**
- **Incorrect** – seniors are supposed to help, not confuse.

(c) recruit

- **English:** to hire or enlist.
- **Hindi:** भर्ती करना
- **Example:** *The company recruited new employees.*
- **Incorrect** – irrelevant here.

(d) guess

- **English:** to estimate without certainty.
- **Hindi:** अनुमान लगाना
- **Example:** *She guessed the answer correctly.*
- **Incorrect** – doesn't fit with learning support.

(e) speed

- **English:** to make faster. (often used as *speed up*).
- **Hindi:** गति देना
- **Example:** *Technology can speed up the learning process.*
- **Correct** – seniors **speed** the learning process.

Final Answer: (e) speed

S55. Ans.(d)

Sol. The correct answer is: **(d) fosters**

Sentence with Blank D:

This not only builds confidence but also _____(D) stronger team relationships.

Context: Building confidence has a positive effect, it encourages / nurtures team relationships.

Option Analysis:

(a) blocks

- **English:** to prevent or stop something from happening.
- **Hindi:** रोकना
- **Example:** *The heavy rain blocked the path.*
- **Incorrect** – does not collocate with “team relationships.”

(b) pursues

- **English:** to follow or try to achieve something.
- **Hindi:** पीछा करना
- **Example:** *He pursued his dream of becoming a doctor.*
- **Incorrect** – does not collocate with “team relationships.”

(c) fulfilled

- **English:** to satisfy or complete something.
- **Hindi:** पूरा करना
- **Example:** *She fulfilled her promise to help him.*
- **Incorrect** – does not collocate with “team relationships.”

(d) fosters

- **English:** to encourage or promote, nurtures.
- **Hindi:** बढ़ावा देना
- **Example:** *The manager fosters a positive work environment.*
- **Correct** – seniors **foster** the learning process.

(e) integrates

- **English:** to combine, bring together.
- **Hindi:** एकीकृत करना
- **Example:** *The new software integrates multiple functions.*
- **Incorrect** – grammatically off here.

Final Answer: (d) fosters

S56. Ans.(b)

Sol. The correct answer is: **(b) welcomed**

Sentence with Blank E:

When juniors feel respected and _____(E), they are more likely to contribute effectively.

Context: If juniors are *respected* → the parallel positive feeling is **welcomed**.

Option Analysis:

(a) adhered

- **English:** stuck to, followed.
- **Hindi:** पालन करना / चिपकना
- **Example:** *He adhered to the rules strictly.*
- **Incorrect** – doesn't fit with "respected."

(b) welcomed

- **English:** received with friendliness, accepted warmly.
- **Hindi:** स्वागत किया गया / अपनाया गया
- **Example:** *New employees felt welcomed by their team.*
- **Correct** – juniors who feel respected and welcomed contribute more.

(c) tired

- **English:** ...
- **Hindi:** थका
- **Example:** ...
- **Incorrect** ...

(d) regulate

- **English:** ...
- **Hindi:** नियंत्रित करना
- **Example:** ... the payments.
- **Incorrect** ...

(e) restrict

- **English:** ...
- **Hindi:** सीमित करना
- **Example:** ...
- **Incorrect** ...

Final Answer: (b) welcomed

S57. Ans. (a)

Sol. The correct answer is (a) critical

Sentence with

Hence, much

workplace.

Here the sentence

productive

d = critical.

Option Analysis:

(a) critical

- **English:** extremely important, essential.
- **Hindi:** अत्यावश्यक / बेहद महत्वपूर्ण
- **Example:** *Trust is critical for a successful relationship.*
- **Correct** – fits perfectly with "maintaining a productive workplace."

(b) nominal

- **English:** very small, in name only.
- **Hindi:** नाममात्र / बहुत कम
- **Example:** *The students paid a nominal fee.*
- **Incorrect** – opposite meaning, not about importance.

(c) analytical

- **English:** relating to analysis or logical thinking.
- **Hindi:** विश्लेषणात्मक
- **Example:** *He has an analytical approach to problems.*
- **Incorrect** – irrelevant in this context.

(d) accrual

- **English:** gradual accumulation, growth.
- **Hindi:** संचय / वृद्धि
- **Example:** *The accrual of interest was noted in the account.*
- **Incorrect** – unrelated to mentorship.

(e) minimal

- English: [REDACTED]
- Hindi: [REDACTED]
- Example [REDACTED]
- Incorrect [REDACTED]

Final Answer

S58. Ans.(b)

Sol. Original

Recent spa

knowledge,

Problem: sp

humanity's

So, swap (A)

Corrected S

Recent spa

knowledge,

Word-by-word

(A) relentless

- English continuing without stopping, determine
 - Hindi
 - Exam
 - Incorrect
- pursuit.*

(B) breakthroughs

- **English:** major discoveries or advancements.
- **Hindi:** बड़ी खोजें / प्रगति
- **Example:** *Medical breakthroughs saved thousands of lives.*
- **Incorrect in original place** → “humanity’s breakthroughs pursuit” is wrong. Correct after swap: *space breakthroughs.*

(C) propelling

- **English:** driving forward, pushing ahead.
- **Hindi:** आगे बढ़ाना / प्रेरित करना
- **Example:** *Innovation is propelling the industry to new heights.*
- **Correct** – fits perfectly: knowledge **propelling us toward a future.**

(D) exploration

- **English:** the act of traveling to discover or learn.
- **Hindi:** खोज / अन्वेषण
- **Example:** *Space exploration inspires new generations.*
- **Correct** – no change needed.

Final Corrected Sentence:

Recent space breakthroughs highlight humanity's relentless pursuit of cosmic knowledge, propelling us toward a future of exploration and discovery.

Final Answer: (b) A-B

S59. Ans.(c)

Sol. Original Sentence:

Global initiatives
commitment

Problem:

- *Global initiatives*
- *safeguard*
- *commitment*
- So we must

Corrected Sentence:

Global initiatives, including
commitment

Word-by-word

(A) including

- **English:** to include.
- **Hindi:** सम्मिलित
- **Example:** *The project includes all stakeholders.*

• **Incorrect in original place** – “signal a safeguard commitment” is wrong. Correct after swap → *including*

(B) initiative

- **English:** a program or action started for a purpose.
- **Hindi:** पहल
- **Example:** *The government launched a new initiative to improve infrastructure.*

• **Incorrect in original place** – “signal a safeguard commitment” is wrong. Correct after swap → *Global*

(C) safeguard

- **English:** to protect.
- **Hindi:** सुरक्षा करना / बचाना
- **Example:** *Laws safeguard the rights of citizens.*
- **Incorrect in original place** – “signal a safeguard commitment” is odd. Correct after swap → *commitment to safeguard.*

(D) collective

- **English:** done by people acting as a group.
- **Hindi:** सामूहिक
- **Example:** *We need collective action to fight climate change.*
- **Incorrect in original place** – “collective our planet’s future” is grammatically wrong. Correct after swap → *collective commitment.*

Final Corrected Sentence:

Global initiatives for sustainability, including reforestation, signal a collective commitment to safeguard our planet's future.

Final Answer: (c) A-B & C-D

S60. Ans.(e)

Sol. Original Sentence:

Innovative (A) educational tech, from (B) virtual classrooms to interactive apps, is reshaping (C) learning, offering dynamic and personalized (D) experiences.

This sentence already makes complete grammatical and contextual sense:

- **Innovative educational tech** → correct collocation.
- **from virtual classrooms to interactive apps** → correct prepositional phrase.
- **is reshaping**
- **offering**

Thus, no swap

Word-by-word

(A) Innovative

- **English:** ...
- **Hindi:** न
- **Example:** ... the solutions
- **Correct here** – “educational tech” for perfe

(B) From

- **English:** ... source.
- **Hindi:** से
- **Example:** ... to D
- **Correct here** – ... is the right range ex on.

(C) Reshaping

- **English:** ... the form, reforming
- **Hindi:** न
- **Example:** ... reshaping the future of work
- **Correct here**

(D) Personalized

- **English:** ...
- **Hindi:** ...
- **Example:** ...
- **Correct here** – “personalized experiences” is an accurate phrase.

Why Other Options Are Incorrect in Short

- (a) D-B → “personalized educational tech” changes intended meaning.
- (b) A-D → “personalized educational tech” & “innovative experiences” are less natural than original.
- (c) B-C → “reshaping virtual classrooms to interactive apps” is nonsensical.
- (d) A-B & C-D → disrupts the logical structure.

Final Corrected Sentence (unchanged):

Innovative educational tech, from virtual classrooms to interactive apps, is reshaping learning, offering dynamic and personalized experiences.

Final Answer: (e) No interchange required

S61. Ans.(c)

Sol. Original Sentence:

Artificial Intelligence transforms (A) healthcare with precise diagnostics (B) and personalized treatments, era (C) in a new ushering (D) of medical advancements.

Problem:

- *era in a new ushering* → grammatically wrong.
- Correct phrase should be **ushering in a new era**.

So, swap (C) era ↔ (D) ushering.

Corrected Sentence:

Artificial Intelligence transforms healthcare with precise diagnostics and personalized treatments, ushering (D) in a new era (C) of medical advancements.

Word-by-word

(A) transform

• English: to change

• Hindi: बदलाना

• Example: The teacher transformed the class into a library.

• Correct: transform

(B) diagnosis

• English: a statement of what is wrong with someone.

• Hindi: निदान

• Example: The doctor gave a diagnosis of the patient's illness.

• Correct: diagnosis

(C) era

• English: a period of time in history.

• Hindi: युग

• Example: The Industrial Revolution was a new era in history.

• Incorrect: era

(D) ushering

• English: bringing or introducing something new.

• Hindi: शुरुआत करना

• Example: The company is ushering in a new era of growth.

• Incorrect: ushering

Final Corrected Sentence:

Artificial Intelligence transforms healthcare with precise diagnostics and personalized treatments, ushering in a new era of medical advancements.

Final Answer: (c) C-D

S62. Ans.(b)

Sol.

COLUMN I – COLUMN II Matching

(A) As the orchestra played, the harmonious ...

- Best fit: (D) that a well-prepared meal brings to the table illogical (orchestra ≠ meal).
- (E) doesn't match.
- (F) orchestra ≠ hidden treasures.
- No proper match for A.

(B) Setting off on an impromptu journey, they unearthed ...

- Best fit: **(F) hidden treasures, crafting indelible memories** (makes perfect sense).

(C) The classroom buzzed with intellectual curiosity ...

- Best fit: **(E) at home can open up the magical world** mismatch (classroom ≠ at home).
- **(D)** irrelevant.
- **(F)** illogical.
- **No proper match for C.**

Check Options

(a) **C-E & A-D** – both mismatched.

(b) **B-F** – correct and meaningful.

(c) **B-D & C-F** – nonsense.

(d) **A-E** – nonsense.

(e) **None of the above** – **B-F** is correct.

Correct Sentence

(B-F) Setting off on an impromptu journey, they unearthed hidden treasures, crafting indelible memories.

Final Answer

S63. Ans. (a)

Sol. (a) C-E

Why:

- **C-E** forms a meaningful sentence: *"Before setting off on an impromptu journey, they unearthed hidden treasures, crafting indelible memories."* — natural and meaningful.
- **B-D** (option b) is not a meaningful sentence: *"The classroom buzzed with intellectual curiosity as they opened up the magical world of books."* — illogical.
- **C-D & B-F** (option c) is not a meaningful sentence: *"The classroom buzzed with intellectual curiosity as they opened up the magical world of books, and they unearthed hidden treasures, crafting indelible memories."* — B-F is nonsensical.
- **A-F** (option d) is not a meaningful sentence: *"Setting off on an impromptu journey, they unearthed hidden treasures, crafting indelible memories, and they opened up the magical world of books."* — illogical.
- Hence, the correct answer is **(a) C-E**.

S64. Ans. (d)

Sol. Analysis

(I) Correct. 'Set up an issue' means to mention. Example: He set up a pool table at the dinner table.

Hindi: बात छे

(II) Incorrect. 'Set up an issue' means to mention. Example: He set up a pool table at the dinner table. Correct usage

would be "bring up an issue". Hindi: बाहर लाना

(III) Correct. 'Set up an issue' means to mention. Example: He set up a pool table at the dinner table. Set up by her

aunt. Hindi: बालन-बापन करना

Answer: Both (I) and (III) → option (d)

S65. Ans. (c)

Sol. Analysis:

(I) Correct. "Look after" means to care for someone. Example: Parents look after their children. Hindi: देखभाल करना

(II) Correct. Here "look after the complaints" means to handle or manage them. Example: The teacher looks after discipline in the school. Hindi: ध्यान रखना या संभालना

(III) Incorrect. "Look after" does not mean to examine carefully. The correct phrasal verb is "look over." Example: He looked over the report before submitting it. Hindi: जांचना या परखना

Answer: Both (I) and (II) → option (c)

S66. Ans.(a)**Sol.** Let the wooden and mechanical pencil be x and y.

$$x + y = 38 \text{ (i)}$$

$$x \times 5 + y \times 20 = 490$$

$$5x + 20y = 490$$

$$x + 4y = 98 \text{ (ii)}$$

solving (i) and (ii)

$$20 = y \text{ and } 18 = x$$

Similarly for others

Shops	Total wooden pencils	Total cost of wooden pencil	Total mechanical pencils	Total cost of mechanical pencil
A	18	90	20	400
B	35	175	3	60
C	62	310	0	0
D	40	200	0	0
E	25	125	15	300

Required ratio

S67. Ans.(b)**Sol.** Let the wooden and mechanical pencil be x and y.

$$x + y = 38 \text{ (i)}$$

$$x \times 5 + y \times 20 = 490$$

$$5x + 20y = 490$$

$$x + 4y = 98 \text{ (ii)}$$

solving (i) and (ii)

$$20 = y \text{ and } 18 = x$$

Similarly for others

Shops	Total wooden pencils	Total cost of wooden pencil	Total mechanical pencils	Total cost of mechanical pencil
A	18	90	20	400
B	35	175	3	60
C	62	310	0	0
D	40	200	0	0
E	25	125	15	300

$$\text{Required answer} = \frac{50}{25} \times 100 = 200\%$$

S68. Ans.(d)**Sol.** Let the wooden and mechanical pencil be x and y.

$$x + y = 38 \text{ (i)}$$

$$x \times 5 + y \times 20 = 490$$

$$5x + 20y = 490$$

$$x + 4y = 98 \text{ (ii)}$$

solving (i) and (ii)

$$20 = y \text{ and } 18 = x$$

Similarly for others

Shops	Total wooden pencils	Total cost of wooden pencil	Total mechanical pencils	Total cost of mechanical pencil
A	18	90	20	400
B	35	175	12	240
C	62	310	50	1000
D	40	200	35	700
E	25	125	15	300

$$\text{Required answer} = \frac{18+12+15}{3} = 15$$

S69. Ans.(e)

Sol. Let the

$$x + y = 38 \text{ (i)}$$

$$x \times 5 + y \times 20 = 420$$

$$5x + 20y = 420$$

$$x + 4y = 84 \text{ (ii)}$$

solving (i) and (ii)

$$20 = y \text{ and } 18 = x$$

Similarly for others

Shops	Total wooden pencils	Total cost of wooden pencil	Total mechanical pencils	Total cost of mechanical pencil
A	18	90	20	400
B	35	175	12	240
C	62	310	50	1000
D	40	200	35	700
E	25	125	15	300

Profit on 20

Profit on 80

Total = 42 +

S70. Ans.(d)

Sol. Let the

$$x + y = 38 \text{ (i)}$$

$$x \times 5 + y \times 20 = 420$$

$$5x + 20y = 420$$

$$x + 4y = 84 \text{ (ii)}$$

solving (i) and (ii)

$$20 = y \text{ and } 18 = x$$

Similarly for others

Shops	Total wooden pencils	Total cost of wooden pencil	Total mechanical pencils	Total cost of mechanical pencil
A	18	90	20	400
B	35	175	12	240
C	62	310	50	1000
D	40	200	35	700
E	25	125	15	300

$$\text{Total pencil in F} = \frac{5}{7} \times 112 = 80$$

$$\text{Wooden pencil in F} = 130\% \text{ of } 40 = 52$$

$$\text{Mechanical pencil in F} = 80 - 52 = 28$$

$$\text{Required percentage} = \frac{28}{25} \times 100 = 112\%$$

S71. Ans.(a)

Sol.

	Manufactured items	Items sold items	Unsold items
A	120	80	40
B	96	76	20
C	140	120	20
D	80		

Required answer =

S72. Ans.(b)

Sol.

	Manufactured items	Items sold items	Unsold items
A	120	80	40
B	96	76	20
C	140	120	20
D	80	60	20

$$\text{Required answer} = \frac{40+20+20}{120} \times 100 = 66.66\%$$

S73. Ans.(e)

Sol.

	Manufactured items	Items sold items	Unsold items
A	120	80	40
B	96	76	20
C	140	120	20
D	80	60	20

Selling price of each =

Selling price of each =

selling price of each =

S74. Ans.(a)

Sol.

	Manufactured items	Items sold items	Unsold items
A	120	80	40
B	96	76	20
C	140	120	20
D	80	60	20

$$\text{Selling price of each} = \frac{15200}{76} = 200$$

$$\text{Cost price} = 200 - 25 = \text{Rs. } 175$$

$$\text{Required answer} = 25\% \text{ of } 96 \times 175 = \text{Rs } 4200$$

S75. Ans.(b)

Sol.

	Manufactured items	Items sold items	Unsold items
A	120	80	40
B	96	76	20
C	140	120	20
D	80	60	20

Let the cost price be $100x$

Marked price = 120% of $100x = 120x$

Selling price = 90% of $120x = 108x$

Given in the

$$8x = 85$$

$$10.625 = x$$

Required an

S76. Ans.(d)

Sol.

$$\text{Cost price of the article} = 648 \times \frac{100}{81} = 800$$

$$\text{ATQ, } 800 \times \frac{(100+2R)}{100} \times \frac{3}{4} = 648$$

$$2400 + 48R = 2592$$

$$48R = 192$$

$$R = 4$$

S77. Ans.(d)

Sol. Pattern of series

Square of consecutive prime numbers starting from 11

$$8 + 11^2 = 129$$

$$129 + 13^2 = 298$$

$$298 + 17^2 = 587$$

$$587 + 19^2 = 948$$

$$948 + 23^2 = 1477$$

$$1477 + 29^2 = 2318$$

S78. Ans.(e)

Sol. Pattern of series -

$$7 + 1^3 = 8$$

$$8 + 2^2 = 12$$

$$12 + 3^3 = 39$$

$$39 + 4^2 = 55$$

$$55 + 5^3 = 180$$

$$180 + 6^2 = 216$$

S79. Ans.(b)

Sol. Pattern of series –

$$110 + 5 = 115$$

$$115 - 10 = 105$$

$$105 + 15 = 120$$

$$120 - 20 = 100$$

$$100 + 25 = 125$$

$$125 - 30 = 95$$

S80. Ans.(c)

Sol. Pattern

$$3 \times 2 + 2 = 8$$

$$8 \times 3 + 3 = 27$$

$$27 \times 4 + 4 = 108$$

$$108 \times 5 + 5 = 545$$

$$545 \times 6 + 6 = 3276$$

$$3276 \times 7 + 7 = 22939$$

S81. Ans.(d)

Sol. Pattern

213	221	331	345	365	393	431
	+8	+10	+14	+20	+28	+38
	+2	+4	+6	+8	+10	

S82. Ans.(d)

Sol.

$$1620 \times \frac{1}{45} + 8836 \times \frac{1}{2209} \approx ?$$

$$36 + 4 \approx ?$$

$$? \approx 40$$

S83. Ans.(b)

Sol.

$$144 + 841 - \left\{ 1080 \times \frac{1}{216} \right\} \approx ?$$

$$985 - 5 \approx ?$$

$$? \approx 980$$

S84. Ans.(e)

Sol.

$$3875 \times \frac{1}{125} = ? - \left\{ 576 \times \frac{1}{48} \right\}$$

$$31 = ? - 12$$

$$? = 43$$

S85. Ans.(a)

Sol.

$$\begin{aligned}\frac{2512 - ?}{37} &= \left\{ 729 - 139 - \left(360 \times \frac{1}{4} \right) \right\} \times \frac{1}{10} \\ \frac{2512 - ?}{37} &= \{500\} \times \frac{1}{10} \\ 2512 - ? &= 37 \times 50 \\ ? &= 2512 - 1850 \\ ? &= 662\end{aligned}$$

S86. Ans.(d)

Sol.

$$\begin{aligned}\left(? \times \frac{1}{18} \right) \times 6 &= \frac{320}{100} \times 60 \\ ? \times \frac{1}{3} &= 192 \\ ? &= 576\end{aligned}$$

S87. Ans.(b)

Sol.

Let the monthly income of A be Rs.100x
ATQ,

$$100x \times \frac{75}{100} \times \frac{80}{100} \times \frac{60}{100} = 10800$$
$$x = 300$$

Monthly income of A = $300 \times 100 = \text{Rs.}30000$

S88. Ans.(e)

Sol. Let the length of train A and train B be x and y respectively

$$60 \times \frac{5}{18} = \frac{x+150}{15}$$

$$x = 100 \text{ m}$$

$$80 \times \frac{5}{18} = \frac{y}{18}$$

$$y = 400 \text{ m}$$

Required answer = $100+400= 500$ meters

S89. Ans.(a)

Sol. Let the quantity of milk and water be 5x and x respectively.

$$\frac{5x}{x+20} = \frac{1}{1}$$

$$5x - x = 20$$

$$4x = 20$$

$$x = 5$$

Quantity of milk = $5x = 25$ liters

S90. Ans.(e)

Sol.

$$\text{Total days taken by A} = 8 \times \frac{100}{40} = 20 \text{ days}$$

$$\text{Total days taken by B} = 20 + 4 = 24 \text{ days}$$

$$\text{Total work} = 120 \text{ unit (LCM of 20 and 24)}$$

$$\text{Required time} = \frac{120}{\frac{120}{20} + \frac{120}{24}} = \frac{120}{6+5} = \frac{120}{11} = 10\frac{10}{11} \text{ days}$$

S91. Ans.(a)

Sol.

$$\text{Let the length of rectangle} = 120x$$

$$\text{Breadth of rectangle} = 120x \times \frac{100}{120} = 100x$$

$$\text{Required ratio} = 100x \times 100x : 120x \times 100x = 5:6$$

S92. Ans.(b)

Sol. Let speed of boat in still water be a kmph and speed of stream be $3a$ kmph. Then, $a + 3a = 15$ kmph.

ATQ,

$$3a + a = \frac{120}{6} = 20$$

$$a = 5$$

So, speed of boat in still water is 5 kmph and speed of stream is 15 kmph.

$$\text{Increased speed of stream} = 5 \times \frac{9}{5} = 9 \text{ kmph}$$

$$\text{Required time} = \frac{84}{15-9} = \frac{84}{6} = 14 \text{ hours}$$

S93. Ans.(a)

Sol.

$$\text{Composite compound interest} = \left(10 + 10 + \frac{10 \times 10}{100}\right)\% = 21\%$$

ATQ,

$$\frac{5600 \times R \times 4}{100} - \frac{21}{100} \times 4800 = 672$$

$$224R = 1680$$

$$R = 7.5$$

S94. Ans.(b)

Sol. Profit sharing ratio of A, B and C = $X \times 8 : (X+800) \times 12 : 2400 \times 4$

ATQ,

$$\frac{(X+800) \times 12}{8X+9600} = \frac{5400}{3900}$$

$$13(X+800) = 6(2X+2400)$$

$$13X+10400 = 12X+14400$$

$$X = 4000$$

S95. Ans.(a)

Sol.

ATQ,

$$75 \times \frac{2}{3} \times 22 + 75 \times \frac{1}{3} \times X = 75 \times 20$$

$$1100 + 25X = 1500$$

$$25X = 400$$

$$X = 16$$

S96. Ans.(e)

Sol. Information given:

The ratio of present age of A to B's is 3 : 2

Five years ago, A age was twice than that of B age at that time

Five years hence, sum of ages of A and B is equal to C age at that time

Explanation:

Let present age of B = x

Present age of A = 1.5x

B age five years ago = x - 5

A age five years ago = 2(x-5) = 2x - 10

But A age five years ago also equals to (1.5x - 5)

$$2x - 10 = 1.5x - 5$$

$$0.5x = 5$$

$$x = 10$$

C age five years ago =

$$= 15 + 15 + 5$$

$$= 35$$

C present age = 35 + 5 = 40 years

S97. Ans.(a)

Sol. Information Given: The sum of seven consecutive even numbers of set X = 630

The sum of five consecutive odd numbers of set Y = 295

Formula used: Average = (Sum of unit)/(number of units)

Explanation: Average of set X = 630/7 = 90

Point to Remember: When a set of odd-numbered consecutive terms (like 3, 5, 7, etc.) is given, the average is always the middle term.

So, it is an average of 7 consecutive even numbers, then this average must be the 4th number of the set

So, the first four numbers of the set X = 84, 86, 88, and 90

it is an average of 5 consecutive odd numbers, then this average must be the 3rd number of the set

$$\text{Average of set Y} = 295/5 = 59$$

So, first two numbers of set Y = 55 & 57

Quantity I: Average of first four consecutive even number of set X = (84+86+88+90)/4 = 87

Quantity II: Average of first two numbers of odd numbers of set Y = (55+57)/2 = 56

$$\text{Required value} = 56 + 27 = 83$$

So, **Quantity I > Quantity II**

S98. Ans.(e)

Sol.

Quantity I -

$$S.I = \frac{6000 \times 2 \times 10}{100} + \frac{6000 \times 3 \times 15}{100} = 1200 + 2700 = \text{Rs.}3900$$

Quantity II - Rs.3900

Quantity I = Quantity II

S99. Ans.(b)

Sol.

Quantity I. Quantity of milk = $120 \times \frac{3}{8} = 45$

Quantity of water = $120 \times \frac{5}{8} = 75$

ATQ,

$$\frac{45 - Y \times \frac{3}{8} + 10}{75 - Y \times \frac{5}{8} + 15} = \frac{8}{13}$$

$$(440 - 3Y)13 = 8(720 - 5Y)$$

$$5720 - 39Y = 5760 - 40Y$$

$$Y = 40$$

Quantity II. 60

So, Quantity I < Quantity II

S100. Ans.(c)

Sol.

Quantity I:

Let the age of a new person be X

$$\frac{21 \times 64 + X}{22} = 64.5$$

$$X = 75 \text{ years}$$

Quantity II:

Let the age of a new person be X

$$\frac{14 \times 30 + 15 \times 4}{15} = 32 \text{ years}$$

Quantity I > Quantity II