

RRB PO Pre 2025 Memory Based Paper 22-Nov-2025-2nd shift

Q1. What is the code for 'Joy comes adventurous'?

Study the following information carefully and answer the questions given below.

"True wishes brings joy" is coded as "os ut yn kf"

"Aim true adventurous path" is coded as "kf rn sk ed"

"Strong aim brings courage" is coded as "ed ts yn kv"

"Path wishes comes true" is coded as "kf sk vb os"

(a) vb rn sk

(b) ts kv rn

(c) vb ed rn

(d) ut rn vb

(e) os vb rn

Ans.(d)

Q2. Which word is coded as 'os sk'?

Study the following information carefully and answer the questions given below.

"True wishes brings joy" is coded as "os ut yn kf"

"Aim true adventurous path" is coded as "kf rn sk ed"

"Strong aim brings courage" is coded as "ed ts yn kv"

"Path wishes comes true" is coded as "kf sk vb os"

(a) Aim wishes

(b) True wishes

(c) Aim true

(d) Strong Path

(e) Wishes Path

Ans.(e)

Q3. Which statement is/are definitely correct?

Study the following information carefully and answer the questions given below.

"True wishes brings joy" is coded as "os ut yn kf"

"Aim true adventurous path" is coded as "kf rn sk ed"

"Strong aim brings courage" is coded as "ed ts yn kv"

"Path wishes comes true" is coded as "kf sk vb os"

(a) Brings - ut

(b) Comes - vb

(c) Courage - kv

(d) Strong - ts

(e) None is correct

Ans.(b)



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Q4. What is the code for 'strong aim'?

Study the following information carefully and answer the questions given below.

"True wishes brings joy" is coded as "os ut yn kf"

"Aim true adventurous path" is coded as "kf rn sk ed"

"Strong aim brings courage" is coded as "ed ts yn kv"

"Path wishes comes true" is coded as "kf sk vb os"

- (a) kv ed
- (b) sk kv
- (c) ts ed
- (d) vb kb
- (e) Either "kv ed" or "ts ed"

Ans.(e)

Q5. Which among the following statements is/are false?

I. Joy is not coded as "ut"

II. Adventurous is coded as "rn"

III. 'True courage' is definitely coded as "ts kf"

Study the following information carefully and answer the questions given below.

"True wishes brings joy" is coded as "os ut yn kf"

"Aim true adventurous path" is coded as "kf rn sk ed"

"Strong aim brings courage" is coded as "ed ts yn kv"

"Path wishes comes true" is coded as "kf sk vb os"

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

Ans.(c)

Q6. What is the position of F with respect to H?

Read the given information carefully and answer the related questions:

Nine persons A, B, C, D, E, F, G, H and I sit around a circular table facing inside but not in the same order as given.

G sits fourth to the right of B. Two persons sit between G and E. H sits fifth to the left of E. One person sits between H and A. D sits immediate right of F who sits third to the right of C.

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

Ans.(b)

Q7. Four of the following five are similar in a certain way and related to a group. Which of the following is not related to the group?

Read the given information carefully and answer the related questions:

Nine persons A, B, C, D, E, F, G, H and I sit around a circular table facing inside but not in the same order as given.

G sits fourth to the right of B. Two persons sit between G and E. H sits fifth to the left of E. One person sits between H and A. D sits immediate right of F who sits third to the right of C.

- (a) B - F
- (b) D - H
- (c) I - C
- (d) G - I
- (e) A - E

Ans.(e)

Q8. Who among the following sits second to the left of the one who sits fifth to the right of D?

Read the given information carefully and answer the related questions:

Nine persons A, B, C, D, E, F, G, H and I sit around a circular table facing inside but not in the same order as given.

G sits fourth to the right of B. Two persons sit between G and E. H sits fifth to the left of E. One person sits between H and A. D sits immediate right of F who sits third to the right of C.

- (a) G
- (b) H
- (c) I
- (d) A
- (e) E

Ans.(c)

Q9. How many persons sit between F and A when counted from the left of F?

Read the given information carefully and answer the related questions:

Nine persons A, B, C, D, E, F, G, H and I sit around a circular table facing inside but not in the same order as given.

G sits fourth to the right of B. Two persons sit between G and E. H sits fifth to the left of E. One person sits between H and A. D sits immediate right of F who sits third to the right of C.

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

Ans.(d)

Q10. Who among the following sits immediate left of E?

Read the given information carefully and answer the related questions:

Nine persons A, B, C, D, E, F, G, H and I sit around a circular table facing inside but not in the same order as given.

G sits fourth to the right of B. Two persons sit between G and E. H sits fifth to the left of E. One person sits between H and A. D sits immediate right of F who sits third to the right of C.

(a) A

(b) I

(c) F

(d) C

(e) B

Ans.(e)

Q11. Statements:

Only a few gadget are good

Some manual are memory

No memory is gadget

Conclusions:

I. All good being manual is a possibility

II. No gadget is manual

In the question below, some statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer-

(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

Ans.(a)

Q12. Statements:

Only stadium are arena

Some match are stadium

All match are sport

Conclusions:

I. No arena being sport is a possibility

II. Some arena are not match

In the question below, some statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer-

(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

Ans.(b)

Q13. Statements:

Only a few city are market

All market is trade

Some trade is not urban

Conclusions:

I. Some city are trade

II. All urban being trade is a possibility

In the question below, some statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer-

- (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

Ans.(e)

Q14. Statements:

Only a few building are tower.

All floors are building

No tower is garden

Conclusions:

I. All floors are garden

II. Some floors are not garden

In the question below, some statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer-

- (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

Ans.(c)

Q15. How is E related to F?

Study the information carefully and answer the questions given below.

In a family of eight members. A is the father of B. C is the daughter of F. G is the brother of H. B is the sister-in-law of F. H has two daughters. B is not married. D has two children. E is the male member of the family.

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

Ans.(c)

Q16. If S is married to G, then how is S related to H?

Study the information carefully and answer the questions given below.

In a family of eight members. A is the father of B. C is the daughter of F. G is the brother of H. B is the sister-in-law of F. H has two daughters. B is not married. D has two children. E is the male member of the family.

- (a) Sister
- (b) Daughter
- (c) Brother
- (d) Sister-in-law
- (e) Can't be determined

Ans.(d)

Q17. How many female members are there in the family?

Study the information carefully and answer the questions given below.

In a family of eight members. A is the father of B. C is the daughter of F. G is the brother of H. B is the sister-in-law of F. H has two daughters. B is not married. D has two children. E is the male member of the family.

- (a) Six
- (b) Four
- (c) Three
- (d) Five
- (e) Can't be determined

Ans.(b)

Q18. If in the given word "ERUPTION", all the even positioned letters (from left end) and consonants are changed to immediately succeeding letter, and remaining letters are changed to immediately preceding letter, then find how many letters are repeated in the new arrangement?

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

(e) Four

Ans.(d)

Q19. How many days gap between G's exam and F's exam?

Read the given information carefully and answer the related questions:

Seven persons A, B, C, D, E, F and G give exam of different subjects in different days of a week starting from Monday. The subjects are Operation, History, Sociology, Urdu, Math, Zoology and Physics. The information of persons and subjects is not necessarily used in the same order as given.

F's exam is three days before the one who gives History exam. More than three days gap between F's exam and C's exam. C's exam is just after the one who gives Sociology exam. Urdu exam is given two days after B's exam but B did not give the exam on Friday. Number of days before B's exam is same as the number of days after A's exam. Three days gap between A's exam and the one who gives Math exam. D gives Zoology exam. E's exam is immediate after the one who gives Operation exam.

(a) One

(b) Two

(c) None

(d) Three

(e) Four

Ans.(e)

Q20. Who among the following gives exam on Friday?

Read the given information carefully and answer the related questions:

Seven persons A, B, C, D, E, F and G give exam of different subjects in different days of a week starting from Monday. The subjects are Operation, History, Sociology, Urdu, Math, Zoology and Physics. The information of persons and subjects is not necessarily used in the same order as given.

F's exam is three days before the one who gives History exam. More than three days gap between F's exam and C's exam. C's exam is just after the one who gives Sociology exam. Urdu exam is given two days after B's exam but B did not give the exam on Friday. Number of days before B's exam is same as the number of days after A's exam. Three days gap between A's exam and the one who gives Math exam. D gives Zoology exam. E's exam is immediate after the one who gives Operation exam.

(a) A

(b) D

(c) F

(d) G

(e) C

Ans.(a)

Q21. If D is related to Math, in the similar way, E is related to operation, then G is related to which subject?

Read the given information carefully and answer the related questions:

Seven persons A, B, C, D, E, F and G give exam of different subjects in different days of a week starting from Monday. The subjects are Operation, History, Sociology, Urdu, Math, Zoology and Physics. The information of persons and subjects is not necessarily used in the same order as given.

F's exam is three days before the one who gives History exam. More than three days gap between F's exam and C's exam. C's exam is just after the one who gives Sociology exam. Urdu exam is given two days after B's exam but B did not give the exam on Friday. Number of days before B's exam is same as the number of days after A's exam. Three days gap between A's exam and the one who gives Math exam. D gives Zoology exam. E's exam is immediate after the one who gives Operation exam.

- (a) Physics
- (b) Sociology
- (c) Urdu
- (d) History
- (e) Zoology

Ans.(c)

Q22. Who among the following gives the exam of Physics?

Read the given information carefully and answer the related questions:

Seven persons A, B, C, D, E, F and G give exam of different subjects in different days of a week starting from Monday. The subjects are Operation, History, Sociology, Urdu, Math, Zoology and Physics. The information of persons and subjects is not necessarily used in the same order as given.

F's exam is three days before the one who gives History exam. More than three days gap between F's exam and C's exam. C's exam is just after the one who gives Sociology exam. Urdu exam is given two days after B's exam but B did not give the exam on Friday. Number of days before B's exam is same as the number of days after A's exam. Three days gap between A's exam and the one who gives Math exam. D gives Zoology exam. E's exam is immediate after the one who gives Operation exam.

- (a) E
- (b) B
- (c) F
- (d) The one who gives exam on Sunday
- (e) None of these

Ans.(d)

Q23. Which of the following pair is correct?

Read the given information carefully and answer the related questions:

Seven persons A, B, C, D, E, F and G give exam of different subjects in different days of a week starting from Monday. The subjects are Operation, History, Sociology, Urdu, Math, Zoology and Physics. The information of persons and subjects is not necessarily used in the same order as given.

F's exam is three days before the one who gives History exam. More than three days gap between F's exam and C's exam. C's exam is just after the one who gives Sociology exam. Urdu exam is given two days after B's exam but B did not give the exam on Friday. Number of days before B's exam is same as the number of days after A's exam. Three days gap between A's exam and the one who gives Math exam. D gives Zoology exam. E's exam is immediate after the one who gives Operation exam.

- (a) Saturday – D - Zoology
- (b) Friday – A - Urdu
- (c) Sunday – C - History
- (d) Monday – E - Math

(e) Thursday – G - Operation

Ans.(b)

Q24. In the number '648319572', if all the digits are arranged in ascending order from left end, then find the product of second digit from the left end and third digit from the right end in the new number formed after rearrangement?

- (a) 15
- (b) 21
- (c) 14
- (d) 18
- (e) 24

Ans.(c)

Q25. If "NEAT" is written as "VPGC", and "CORN" is written as "LEMT", then how is "SALT" written, such that the code must also form a meaningful English word?

- (a) UGNZ
- (b) CUNV
- (c) CMOZ
- (d) ZUGN
- (e) None of these

Ans.(d)

Q26. Who is the third lightest person?

Study the following information carefully and answer the questions given below:

Six persons—A, B, C, D, E, and F—are of different weights, but not necessarily in the same order. The weight of second lightest person is 13kg. C is heavier than E. A is heavier than F. B is heavier than C but not immediately heavier. Not more than one person is lighter than A.

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

Ans.(c)

Q27. If D weighs 25kg, then what is the possible weight of C?

Study the following information carefully and answer the questions given below:

Six persons—A, B, C, D, E, and F—are of different weights, but not necessarily in the same order. The weight of second lightest person is 13kg. C is heavier than E. A is heavier than F. B is heavier than C but not immediately heavier. Not more than one person is lighter than A.

- (a) 28 kg
- (b) 55 kg
- (c) 36 kg
- (d) 19 kg

(e) 27 kg

Ans.(d)

Q28. Who is immediately heavier than C?

Study the following information carefully and answer the questions given below:

Six persons—A, B, C, D, E, and F—are of different weights, but not necessarily in the same order. The weight of second lightest person is 13kg. C is heavier than E. A is heavier than F. B is heavier than C but not immediately heavier. Not more than one person is lighter than A.

(a) D

(b) B

(c) E

(d) F

(e) None of these

Ans.(a)

Q29. What is the position of B with respect to C?

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit in a row but not in the same order as given. Some persons face north and some face south direction.

A sits second to the right of F and both face the same direction. B and F sit immediate left to each other. Number of persons sit between A and B is same as the number of persons sit to the right of A. Three persons sit between D and H and both face opposite direction to each other. G sits immediate right of D. Both the immediate neighbors of C face north which is opposite to C. Number of persons face north is more than the number of persons face south.

(a) Second to the right

(b) Immediate left

(c) Fourth to the right

(d) Third to the left

(e) Fifth to the right

Ans.(c)

Q30. Four of the following five are similar in a certain way and related to a group. Who among the following is not related to the group?

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit in a row but not in the same order as given. Some persons face north and some face south direction.

A sits second to the right of F and both face the same direction. B and F sit immediate left to each other. Number of persons sit between A and B is same as the number of persons sit to the right of A. Three persons sit between D and H and both face opposite direction to each other. G sits immediate right of D. Both the immediate neighbors of C face north which is opposite to C. Number of persons face north is more than the number of persons face south.

(a) A

(b) H

(c) E

(d) G

(e) D

Ans.(b)

Q31. How many persons sit to the left of E?

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit in a row but not in the same order as given. Some persons face north and some face south direction.

A sits second to the right of F and both face the same direction. B and F sit immediate left to each other. Number of persons sit between A and B is same as the number of persons sit to the right of A. Three persons sit between D and H and both face opposite direction to each other. G sits immediate right of D. Both the immediate neighbors of C face north which is opposite to C. Number of persons face north is more than the number of persons face south.

(a) None

(b) One

(c) Two

(d) More than three

(e) Three

Ans.(d)

Q32. Which of the following statement is correct?

I. G faces south

II. C is not the immediate neighbor of A and E

III. F and H sit immediate right to each other

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit in a row but not in the same order as given. Some persons face north and some face south direction.

A sits second to the right of F and both face the same direction. B and F sit immediate left to each other. Number of persons sit between A and B is same as the number of persons sit to the right of A. Three persons sit between D and H and both face opposite direction to each other. G sits immediate right of D. Both the immediate neighbors of C face north which is opposite to C. Number of persons face north is more than the number of persons face south.

(a) Only I

(b) Only II

(c) Only III

(d) Only I and II

(e) Only II and III

Ans.(c)

Q33. Who among the following sits immediate left of E?

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit in a row but not in the same order as given. Some persons face north and some face south direction.

A sits second to the right of F and both face the same direction. B and F sit immediate left to each other. Number of persons sit between A and B is same as the number of persons sit to the right of A. Three persons sit between D and H and both face opposite direction to each other. G sits immediate right of D. Both the immediate neighbors of C face north which is opposite to C. Number of persons face north is more than the number of persons face south.

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

Ans.(e)

Q34. In the word 'MAGNITUDE', how many pairs of the letters have the same number of letters between them (both forward and backward direction) as in the English alphabet?

- (a) One
- (b) None
- (c) More than four
- (d) Three
- (e) Two

Ans.(c)

Q35. Find the odd-one out.

- (a) MPS
- (b) BDF
- (c) TWZ
- (d) RUX
- (e) GJM

Ans.(b)

Q36. Who among the following was born in 1985?

Read the information carefully and answer the questions given below:

Eight persons — P, Q, R, S, T, U, V and W — were born in eight different years: 1957, 1963, 1970, 1976, 1985, 1991, 2000 and 2010, on the same month and same date.

(Base year is considered as: 2025)

V is 9 years elder than P. The number of persons elder than P is two more than the number of persons younger than Q. Q is immediately elder than S. Three persons were born between S and W. R is elder than T but younger than U. U is not the eldest person

- (a) Q
- (b) S

(c) P

(d) U

(e) V

Ans.(b)

Q37. How many persons were born between W and R?

Read the information carefully and answer the questions given below:

Eight persons — P, Q, R, S, T, U, V and W — were born in eight different years: 1957, 1963, 1970, 1976, 1985, 1991, 2000 and 2010, on the same month and same date.

(Base year is considered as: 2025)

V is 9 years elder than P. The number of persons elder than P is two more than the number of persons younger than Q. Q is immediately elder than S. Three persons were born between S and W. R is elder than T but younger than U. U is not the eldest person

(a) One

(b) Two

(c) Three

(d) Four

(e) Five

Ans.(a)

Q38. What is the difference between the age of Q and T?

Read the information carefully and answer the questions given below:

Eight persons — P, Q, R, S, T, U, V and W — were born in eight different years: 1957, 1963, 1970, 1976, 1985, 1991, 2000 and 2010, on the same month and same date.

(Base year is considered as: 2025)

V is 9 years elder than P. The number of persons elder than P is two more than the number of persons younger than Q. Q is immediately elder than S. Three persons were born between S and W. R is elder than T but younger than U. U is not the eldest person

(a) 23 years

(b) 32 years

(c) 11 years

(d) 34 years

(e) 9 years

Ans.(d)

Q39. Who among the following is the oldest person?

Read the information carefully and answer the questions given below:

Eight persons — P, Q, R, S, T, U, V and W — were born in eight different years: 1957, 1963, 1970, 1976, 1985, 1991, 2000 and 2010, on the same month and same date.

(Base year is considered as: 2025)

V is 9 years elder than P. The number of persons elder than P is two more than the number of persons younger than Q. Q is immediately elder than S. Three persons were born between S and W. R is elder than T but younger than U. U is not the eldest person

- (a) V
 - (b) Q
 - (c) P
 - (d) S
 - (e) W
- Ans.(e)**

Q40. What is the age of T?

Read the information carefully and answer the questions given below:

Eight persons — P, Q, R, S, T, U, V and W — were born in eight different years: 1957, 1963, 1970, 1976, 1985, 1991, 2000 and 2010, on the same month and same date.

(Base year is considered as: 2025)

V is 9 years elder than P. The number of persons elder than P is two more than the number of persons younger than Q. Q is immediately elder than S. Three persons were born between S and W. R is elder than T but younger than U. U is not the eldest person

- (a) 25 years
- (b) 15 years
- (c) 62 years
- (d) 34 years
- (e) 55 years

Ans.(b)

Q41. What approximate value should come in place of the question mark (?) in the following questions?

$$129\% \text{ of } 399 + \frac{9}{17} \text{ of } \sqrt{1150} = ?$$

- (a) 538
- (b) 545
- (c) 529
- (d) 516
- (e) 588

Ans.(a)

Q42. What approximate value should come in place of the question mark (?) in the following questions?

$$12^2 + 8 + 59\% \text{ of } 90 = ? \% \text{ of } 40 + 5$$

- (a) 500
- (b) 450
- (c) 598
- (d) 657
- (e) 980

Ans.(a)

Q43. What approximate value should come in place of the question mark (?) in the following questions?

$$\sqrt{670} - \frac{5}{7} \text{ of } 20 + (24 - 5) = \sqrt{?}$$

- (a) 961
- (b) 900
- (c) 676
- (d) 625
- (e) 729

Ans.(b)

Q44. What approximate value should come in place of the question mark (?) in the following questions?

$$(501 + 98) \div 8 = ? \times \sqrt[3]{122}$$

- (a) 30
- (b) 25
- (c) 20
- (d) 15
- (e) 5

Ans.(d)

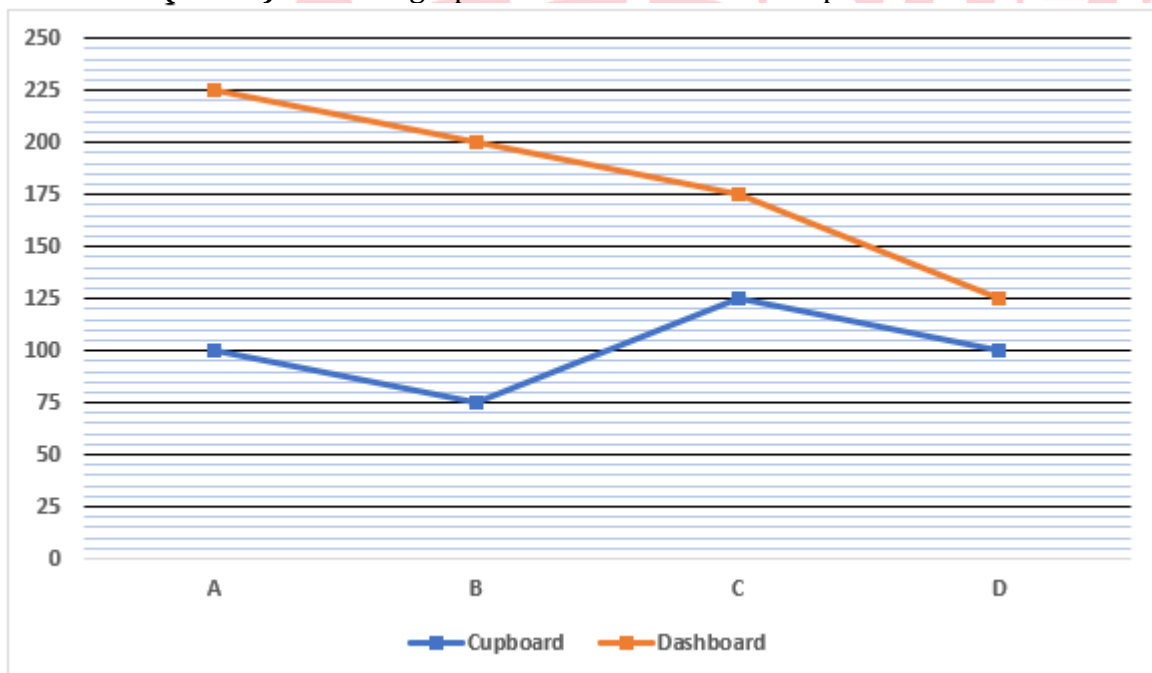
Q45. What approximate value should come in place of the question mark (?) in the following questions?

$$(309 \times 89) \div 31 + 59 = ?^2$$

- (a) 19
- (b) 33
- (c) 25
- (d) 23
- (e) 31

Ans.(e)

Directions (46-51): The line graph shows the number of cupboard and dashboard in four shops.



Q46. Find the average of cupboard in A, dashboard in B and (cupboard + dashboard) in C.

- (a) 200
- (b) 100
- (c) 135
- (d) 140
- (e) 150

Ans.(a)

Q47. Find the ratio of (cupboard and dashboard) in A to dashboard in B and C together.

- (a) 6:5
- (b) 13:15
- (c) 3:5
- (d) 14:15
- (e) 15:16

Ans.(b)

Q48. Cupboard in all the shops is how many more than dashboard in A and B together.

- (a) 60
- (b) 30
- (c) 25
- (d) 40
- (e) 50

Ans.(c)

Q49. If 20% of the cupboard sold from total cupboard in A and 45 dashboard sold out of total dashboard in B. find the sum of unsold dashboard in B and unsold cupboard in A.

- (a) 260
- (b) 230
- (c) 245
- (d) 240
- (e) 235

Ans.(e)

Q50. The ratio of defective to non defective cupboard in C is 3:2, find the non-defective cupboard in C is what percentage more/less than total dashboard in B.

- (a) 60
- (b) 50
- (c) 55
- (d) 75
- (e) 100

Ans.(d)

Q51. Find the cupboard in B is what percentage of dashboard in D.

- (a) 60
- (b) 30
- (c) 35
- (d) 40
- (e) 50

Ans.(a)

Q52. 201, 205, 214, 230, 255, 290, 340

Find the wrong number in the following number series.

- (a) 201
- (b) 290
- (c) 214
- (d) 230
- (e) 255

Ans.(b)

Q53. 28.5, 30, 63, 191, 766, 3832, 22994

Find the wrong number in the following number series.

- (a) 30
- (b) 28.5
- (c) 63
- (d) 191
- (e) 766

Ans.(a)

Q54. 117, 136, 159, 188, 219, 256, 296

Find the wrong number in the following number series.

- (a) 256
- (b) 219
- (c) 296
- (d) 117
- (e) 136

Ans.(c)

Q55. 24, 13, 14, 22, 45, 113, 341.5

Find the wrong number in the following number series.

- (a) 45
- (b) 14
- (c) 13
- (d) 24
- (e) 113

Ans.(e)

Q56. 8, 17.5, 35, 105, 420, 2100, 12600

Find the wrong number in the following number series.

- (a) 17.5
- (b) 8
- (c) 105
- (d) 420
- (e) 2100

Ans.(b)

Directions (57-62): Read the information and answer the following question.

The table shows the total number of females and ratio of male to females in five different companies.

Companies	Males: Females	Females
A	7:5	25
B	3:4	64
C	6:11	88
D	3:7	70
E	9:13	65

Q57. In company F, total number of females are 20% more than females in A and males are 20% less than that of females. Find the difference between total employees in F and E.

- (a) 56
- (b) 48
- (c) 29
- (d) 40
- (e) 57

Ans.(a)

Q58. Find the average number of males in D and B.

- (a) 39
- (b) 38
- (c) 35
- (d) 40
- (e) 37

Ans.(a)

Q59. The ratio of promoted to non-promoted from total employees in D is 2:3. Total females who got promoted in D is 25. Find the females who got promoted in D is what percentage of non promoted females in D.

- (a) 11.11
- (b) 22.22

- (c) 33.33
- (d) 44.44
- (e) 55.55

Ans.(e)

Q60. Find the ratio of total employees in A to males in B & D together.

- (a) 5:6
- (b) 4:9
- (c) 10:13
- (d) 14:13
- (e) 5:7

Ans.(c)

Q61. Find the difference between total males and females in all the companies.

- (a) 102
- (b) 108
- (c) 109
- (d) 106
- (e) 100

Ans.(d)

Q62. The ratio of intern to permanent employees in C is 1:1 and out of that 25 are female intern. Find the permanent male employees in C.

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

Ans.(e)

Q63. Train A can cross a pole in 15 seconds and cross train B while running in the same direction in 72 seconds. The length of train A is 570 meters, and the speed of train B is 26 m/sec. Find the length of the train B (in meters).

- (a) 294
- (b) 280
- (c) 288
- (d) 274
- (e) 262

Ans.(a)

Q64. A 40 liters mixture contains X liters of milk and rest is water. A person removed 10 liters of mixture and added 18 liters of water in the remaining mixture. If the ratio of milk to water in the final mixture is 7: 9, then find the quantity of water (in liters) in initial solution.

- (a) 18
- (b) 12
- (c) 20
- (d) 14
- (e) 15

Ans.(b)

Q65. Shivam marked up an article 80% above its cost price and allowed 30% discount on it. Had he allowed only 20% discount on the article, then he would have earned Rs.108 more. Find cost price of the article.

- (a) Rs.900
- (b) Rs.700
- (c) Rs.800
- (d) Rs.500
- (e) Rs.600

Ans.(e)

Q66. A, B and C are three positive integers. The ratio of A to B is 4:5 respectively. C is 5 more than that of B. If the sum of A, B and C is 89, then find the value of C.

- (a) 30
- (b) 24
- (c) 35
- (d) 36
- (e) 40

Ans.(c)

Q67. I. $2x^2 + 20x + 32 = 0$

II. $3y^2 + 7y + 4 = 0$

In each of the following questions two equations are given. Solve these equations and give answer:

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y.

Ans.(c)

Q68. I. $x^2 + 31x + 108 = 0$

II. $y^2 - 21y + 98 = 0$

In each of the following questions two equations are given. Solve these equations and give answer:

- (a) if $x > y$

- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

Ans.(c)

Q69. I. $3x^2 - x - 4 = 0$

II. $3y^2 + 16y + 13 = 0$

In each of the following questions two equations are given. Solve these equations and give answer:

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

Ans.(b)

Q70. I. $2x^2 - 28x + 90 = 0$

II. $3y^2 + 8y + 4 = 0$

In each of the following questions two equations are given. Solve these equations and give answer:

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

Ans.(a)

Q71. I. $2x^2 - x - 45 = 0$

II. $3y^2 + 16y + 21 = 0$

In each of the following questions two equations are given. Solve these equations and give answer:

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

Ans.(e)

Q72. A man invests Rs. X in a scheme, which offers simple interest at the rate of 24% p.a. for three years. Man received Rs.3600 as total interest from the scheme. If man invests Rs. X in a bank which offers compound interest at rate of 10% p.a. for two years, then find the total amount received by man from the bank after two years.

- (a) Rs.7200
- (b) Rs.7400
- (c) Rs.7700

(d) Rs.6050

(e) Rs.7550

Ans.(d)

Q73. The perimeter of a rectangle is 58 cm, and the length of the rectangle is 3 cm more than that of the breadth. Find the area of the rectangle (in cm^2).

(a) 210

(b) 208

(c) 224

(d) 215

(e) 228

Ans.(b)

Q74. A and B started a business with investments of Rs 5200 and Rs 8000. After four months, A added Rs 800 more, and B withdrew 33.33% of his initial investment. Find the profit-sharing ratio of A to B after one year.

(a) 132:137

(b) 135:139

(c) 133:140

(d) 131:140

(e) 129:140

Ans.(e)

Q75. A spends $33\frac{1}{3}\%$ of his income on food and $14\frac{2}{7}\%$ of remaining in transport. If the sum of amounts spend on food and transport is Rs.9000, then find the income (In Rs.) of A.

(a) 21000

(b) 72000

(c) 18000

(d) 81000

(e) 66000

Ans.(a)

Q76. The average weight of 12 students in a class is 'y' kg. Two new students joined them with total weight of 72 kg and the average weight of the class is decreased by $\frac{y}{16}$ kg. If the weight of heavier student out of two students who joined is $y - 24$ kg, then find the difference between weight of two students who joined.

(a) 10 kg

(b) 4 kg

(c) 12 kg

(d) 8 kg

(e) 6 kg

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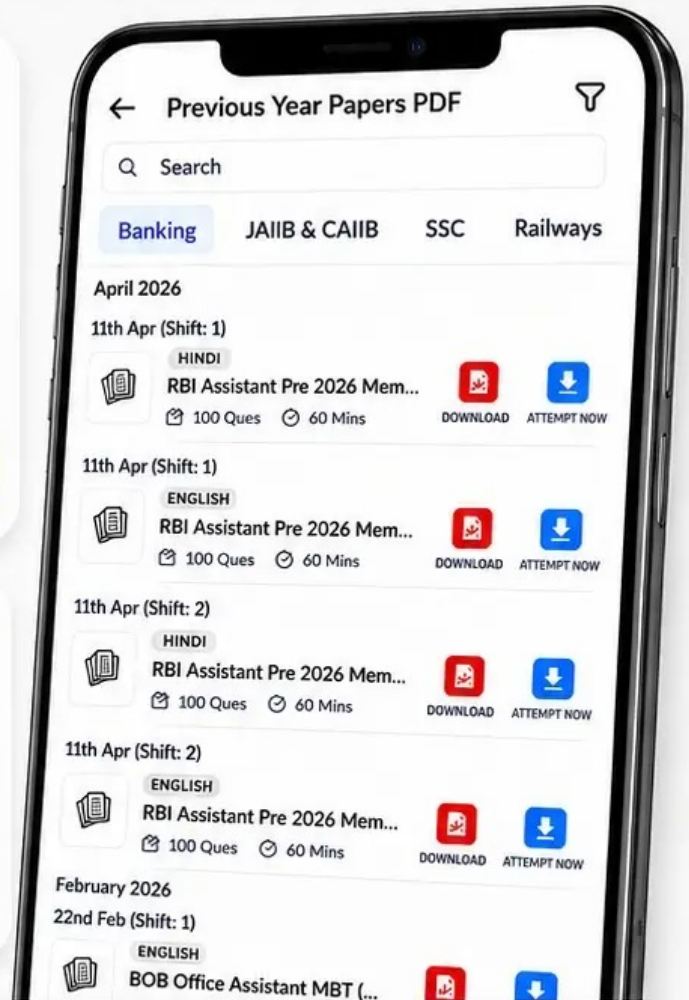
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Ans.(d)

Q77. The ratio of present age of A to B is 9:7 and present age of C is $\frac{100}{9}\%$ of the present age of A. If the average of present age of A, B and C is 22 years & 8 months, then find the present age of C.

- (a) 8 years
- (b) 1 year
- (c) 7 years
- (d) 4 years
- (e) 5 years

Ans.(d)

Q78. There are two empty vessel P and Q. If equal quantity of juice is poured into both the vessel, then this process makes vessel P $\frac{3}{8}$ th full and vessel Q $\frac{2}{5}$ th full, then find the capacity of vessel Q is what percent of vessel P's capacity?

- (a) 90.25%
- (b) 94.50%
- (c) 92.75%
- (d) 98.50%
- (e) 93.75%

Ans.(e)

Q79. The efficiency of A is 25% more than that of B, and the efficiency of C is 20% more than that of A. If A, B, and C together can complete a piece of work in 12 days, then in how many days can B alone complete the same work?

- (a) 40
- (b) 45
- (c) 35
- (d) 30
- (e) 50

Ans.(b)

Q80. The time taken by a boat to cover 40 km upstream is equal to the time taken by the boat to cover 60 km downstream. If the speed of the stream is 2 km/h, find the downstream speed of the boat (in km/h).

- (a) 8
- (b) 10
- (c) 12
- (d) 14
- (e) 18

Ans.(c)