

RRB PO Pre 2025 Memory Based Paper 22-Nov-2025-1st shift

Q1. What is the position of I with respect to G?

Read the given information carefully and answer the related questions:

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

Three persons sit between B and G. C sits second to the right of G. H sits third to the left of C. E and H sit adjacent to each other. One person sits between E and A. F sits second to the left of D.

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

Ans.(d)

Q2. How many persons sit to 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 in a row facing north but not in the same order as given.

Three persons sit between B and G. C sits second to the right of G. H sits third to the left of C. E and H sit adjacent to each other. One person sits between E and A. F sits second to the left of D.

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

Ans.(c)

Q3. Number of persons sit between D and H is same as ____.

Read the given information carefully and answer the related questions:

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

Three persons sit between B and G. C sits second to the right of G. H sits third to the left of C. E and H sit adjacent to each other. One person sits between E and A. F sits second to the left of D.

- (a) Between G and C
- (b) To the left of B
- (c) Between E and B
- (d) Between I and A
- (e) To the right of F

Ans.(e)

Q4. Who among the following sits fourth to the left of C?

Read the given information carefully and answer the related questions:

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

Three persons sit between B and G. C sits second to the right of G. H sits third to the left of C. E and H sit adjacent to each other. One person sits between E and A. F sits second to the left of D.

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

Ans.(a)

Q5. Which of the following statement is correct?

- I. A sits at one of the extreme ends
- II. G sits exactly middle of the row
- III. C and F are not immediate neighbors of each other

Read the given information carefully and answer the related questions:

Nine persons A, B, C, D, E, F, G, H and I sit in a row facing north but not in the same order as given. Three persons sit between B and G. C sits second to the right of G. H sits third to the left of C. E and H sit adjacent to each other. One person sits between E and A. F sits second to the left of D.

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

Ans.(c)

Q6. How many persons are in between A and D?

Read the given information carefully and answer the related questions:

Six persons A, B, C, D, E and F – of a group, and each have different height. A's height is more than B but less than C. Two persons are in between C and D. Number of persons shorter to A is same as the number of persons taller to E. Less than two persons are shorter to F.

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

Ans.(b)

Q7. Who among the following person is 3rd tallest?

Read the given information carefully and answer the related questions:

Six persons A, B, C, D, E and F – of a group, and each have different height. A's height is more than B but less than C. Two persons are in between C and D. Number of persons shorter to A is same as the number of persons taller to E. Less than two persons are shorter to F.

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

Ans.(c)

Q8. . Who among the following is immediately shorter to E?

Read the given information carefully and answer the related questions:

Six persons A, B, C, D, E and F – of a group, and each have different height. A's height is more than B but less than C. Two persons are in between C and D. Number of persons shorter to A is same as the number of persons taller to E. Less than two persons are shorter to F.

- (a) A
- (b) C
- (c) D

(d) B

(e) F

Ans.(e)

Q9. In the number '9391648', how many pairs of the digits have the same number of digits between them (both forward and backward direction) as in the number series?

(a) Four

(b) Two

(c) One

(d) Three

(e) More than four

Ans.(e)

Q10. Statements: $W > T > K \geq J$; $S \geq M > K < D$

Conclusions:

I. $J < S$

II. $D > W$

In this question, the relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statement and select the appropriate answer.

(a) If only conclusion I is true

(b) If only conclusion II is true

(c) If either conclusion I or II is true

(d) If neither conclusion I nor II is true

(e) If both conclusions I and II are true

Ans.(a)

Q11. Statements: $G > R \geq N < A = O \geq X = C > P \geq U$

Conclusions:

I. $A \geq U$

II. $X < G$

In this question, the relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statement and select the appropriate answer.

(a) If only conclusion I is true

(b) If only conclusion II is true

(c) If either conclusion I or II is true

(d) If neither conclusion I nor II is true

(e) If both conclusions I and II are true

Ans.(d)

Q12. Statements: $X \geq Z > L$; $P \leq F = G$; $Y \leq T = L \leq P$

Conclusions:

I. $X > T$

II. $Y \leq G$

In this question, the relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statement and select the appropriate answer.

(a) If only conclusion I is true

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

Ans.(e)

Q13. If box D is related to box G, in the similar way, box A is related to box B, then which box is related to box H?

Read the given information carefully and answer the related questions:

Nine boxes A, B, C, D, E, F, G, H and I are placed one above another in a stack but not in the same order as given.

Box A is placed four boxes above box C. Box G and box A are placed adjacent to each other. Two boxes are placed between box G and box B. Box E is placed immediately above box B but below box D. More than four boxes are placed above box E. Box I is placed two boxes above box F.

- (a) Box E
- (b) Box C
- (c) Box I
- (d) Box F
- (e) Box B

Ans.(a)

Q14. If all boxes are arranged as per alphabetical order from top to bottom, then how many boxes will remain unchanged at their position?

Read the given information carefully and answer the related questions:

Nine boxes A, B, C, D, E, F, G, H and I are placed one above another in a stack but not in the same order as given.

Box A is placed four boxes above box C. Box G and box A are placed adjacent to each other. Two boxes are placed between box G and box B. Box E is placed immediately above box B but below box D. More than four boxes are placed above box E. Box I is placed two boxes above box F.

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

Ans.(b)

Q15. Which of the following box is placed just below box H?

Read the given information carefully and answer the related questions:

Nine boxes A, B, C, D, E, F, G, H and I are placed one above another in a stack but not in the same order as given.

Box A is placed four boxes above box C. Box G and box A are placed adjacent to each other. Two boxes are placed between box G and box B. Box E is placed immediately above box B but below box D. More than four boxes are placed above box E. Box I is placed two boxes above box F.

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

Ans.(d)

Q16. How many boxes are placed between box I and box A?

Read the given information carefully and answer the related questions:

Nine boxes A, B, C, D, E, F, G, H and I are placed one above another in a stack but not in the same order as given.

Box A is placed four boxes above box C. Box G and box A are placed adjacent to each other. Two boxes are placed between box G and box B. Box E is placed immediately above box B but below box D. More than four boxes are placed above box E. Box I is placed two boxes above box F.

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

Ans.(e)

Q17. What is the position of box D with respect to box G?

Read the given information carefully and answer the related questions:

Nine boxes A, B, C, D, E, F, G, H and I are placed one above another in a stack but not in the same order as given.

Box A is placed four boxes above box C. Box G and box A are placed adjacent to each other. Two boxes are placed between box G and box B. Box E is placed immediately above box B but below box D. More than four boxes are placed above box E. Box I is placed two boxes above box F.

- (a) Four boxes below
- (b) Five boxes above
- (c) Two boxes above
- (d) Three boxes below
- (e) Immediate above

Ans.(c)

Q18. What is the designation of L?

Read the given information carefully and answer the related questions:

Seven persons K, L, M, N, O, P and Q work on different designations in a company. The designations are CEO, COO, AM, GM, AGM, Manager and Clerk where CEO is seniormost and Clerk is the junior most designation. The persons also like different items i.e., pencil, fruit, rubber, paper, color, cutlery and brush. The information of persons and items is not necessarily used in the same manner as given.

P is four designations junior to the one who likes paper. K is senior to GM but not like paper and cutlery. Two persons are designated between K and Q. The number of persons senior to Q is same as the number of persons junior to the one who likes pencil. M is immediately junior to the one who likes cutlery but M is not clerk. Two persons are designated between N and the one who likes brush. O is immediately senior to the one who likes color. The one who is CEO does not like rubber.

- (a) Manager
- (b) AGM
- (c) Clerk
- (d) AM
- (e) COO

Ans.(a)

Q19. The one who is designated as CEO likes which item?

Read the given information carefully and answer the related questions:

Seven persons K, L, M, N, O, P and Q work on different designations in a company. The designations are CEO, COO, AM, GM, AGM, Manager and Clerk where CEO is seniormost and Clerk is the junior most designation. The persons also like different items i.e., pencil, fruit, rubber, paper, color, cutlery and brush. The information of persons and items is not necessarily used in the same manner as given.

P is four designations junior to the one who likes paper. K is senior to GM but not like paper and cutlery. Two persons are designated between K and Q. The number of persons senior to Q is same as the number of persons junior to the one who likes pencil. M is immediately junior to the one who likes cutlery but M is not clerk. Two persons are designated between N and the one who likes brush. O is immediately senior to the one who likes color. The one who is CEO does not like rubber.

- (a) Brush
- (b) Rubber
- (c) Cutlery
- (d) Fruit
- (e) Pencil

Ans.(d)

Q20. Which of the following combination is correct?

Read the given information carefully and answer the related questions:

Seven persons K, L, M, N, O, P and Q work on different designations in a company. The designations are CEO, COO, AM, GM, AGM, Manager and Clerk where CEO is seniormost and Clerk is the junior most designation. The persons also like different items i.e., pencil, fruit, rubber, paper, color, cutlery and brush. The information of persons and items is not necessarily used in the same manner as given.

P is four designations junior to the one who likes paper. K is senior to GM but not like paper and cutlery. Two persons are designated between K and Q. The number of persons senior to Q is same as the number of persons junior to the one who likes pencil. M is immediately junior to the one who likes cutlery but M is not clerk. Two persons are designated between N and the one who likes brush. O is immediately senior to the one who likes color. The one who is CEO does not like rubber.

- (a) AGM - P
- (b) K - brush
- (c) AM - fruit
- (d) COO - Q
- (e) M - paper

Ans.(e)

Q21. Who among the following is three persons senior to the one who likes color?

Read the given information carefully and answer the related questions:

Seven persons K, L, M, N, O, P and Q work on different designations in a company. The designations are CEO, COO, AM, GM, AGM, Manager and Clerk where CEO is seniormost and Clerk is the junior most designation. The persons also like different items i.e., pencil, fruit, rubber, paper, color, cutlery and brush. The information of persons and items is not necessarily used in the same manner as given.

P is four designations junior to the one who likes paper. K is senior to GM but not like paper and cutlery. Two persons are designated between K and Q. The number of persons senior to Q is same as the number of persons junior to the one who likes pencil. M is immediately junior to the one who likes cutlery but M is not clerk. Two persons are designated between N and the one who likes brush. O is immediately senior to the one who likes color. The one who is CEO does not like rubber.

- (a) The one who likes cutlery
- (b) The one who is COO
- (c) M
- (d) Q

(e) The one who likes pencil

Ans.(c)

Q22. How many persons are designated senior to O?

Read the given information carefully and answer the related questions:

Seven persons K, L, M, N, O, P and Q work on different designations in a company. The designations are CEO, COO, AM, GM, AGM, Manager and Clerk where CEO is seniormost and Clerk is the junior most designation. The persons also like different items i.e., pencil, fruit, rubber, paper, color, cutlery and brush. The information of persons and items is not necessarily used in the same manner as given.

P is four designations junior to the one who likes paper. K is senior to GM but not like paper and cutlery. Two persons are designated between K and Q. The number of persons senior to Q is same as the number of persons junior to the one who likes pencil. M is immediately junior to the one who likes cutlery but M is not clerk. Two persons are designated between N and the one who likes brush. O is immediately senior to the one who likes color. The one who is CEO does not like rubber.

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

Ans.(d)

Q23. What is the direction of point U with respect to office?

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

A person starts walking from his office and walks for 12m in the east direction and reached Point P. From point P, he takes a right turn and walks 10m to reach point Q. From point Q, he takes a right turn and walks 7m to reach point R. From point R, he turns left and walks 2m to reach point S. Finally, from point S, he turns right and walks 5m to reach point U.

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

Ans.(d)

Q24. If Point G is 31m east of Point R, then what will be the shortest distance between point P and point G?

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

A person starts walking from his office and walks for 12m in the east direction and reached Point P. From point P, he takes a right turn and walks 10m to reach point Q. From point Q, he takes a right turn and walks 7m to reach point R. From point R, he turns left and walks 2m to reach point S. Finally, from point S, he turns right and walks 5m to reach point U.

- (a) $\sqrt{686}$ m
- (b) $\sqrt{566}$ m
- (c) 26m
- (d) 24m
- (e) None of these

Ans.(c)

Q25. . If office is 10m north of Point M then in which direction is Point S with respect to Point M?

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

A person starts walking from his office and walks for 12m in the east direction and reached Point P. From point P, he takes a right turn and walks 10m to reach point Q. From point Q, he takes a right turn and walks 7m to reach point R. From point R, he turns left and walks 2m to reach point S. Finally, from point S, he turns right and walks 5m to reach point U.

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

Ans.(b)

Q26. Statements:

Only project are completed

Some project are difficult

All difficult are easy

Conclusions:

I. Some completed are not difficult

II. All easy being project is a possibility

In each 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)

Q27. Statements:

Only a few digital are network.

All network is growth.

All growth is reward.

Conclusions:

I. Some digital is growth

II. All digital being network is a possibility

In each 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)

Q28. Statements:

Only a few hut is house
Some house are bricks
No bricks are cement

Conclusions:

- I. No Hut is cement
- II. Some house are not cement

In each 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)

Q29. Statements:

Some glue is not paper
Only a few paper is pencil
All pencil is sharpener

Conclusions:

- I. No glue is sharpener
- II. Some glue is sharpener

In each 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)

Q30. How is J related to P?

Study the information carefully and answer the questions given below.

There are eight members in a three-generation family. No single parent is there in the family. S is the sister of W. K is the daughter of P. U is the grandson of W. J is the sister-in-law of K who is not married. U is the son of R. S doesn't have a brother. J has two children. R is the father of Q.

- (a) Mother
- (b) Daughter
- (c) Sister
- (d) Son-in-law
- (e) Daughter-in-law

Ans.(e)

Q31. If K is married to M, then how is R related to M?

Study the information carefully and answer the questions given below.

There are eight members in a three-generation family. No single parent is there in the family. S is the sister of W. K is the daughter of P. U is the grandson of W. J is the sister-in-law of K who is not married. U is the son of R. S doesn't have a brother. J has two children. R is the father of Q.

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

Ans.(b)

Q32. . If the number of male and female members of the family are equal, then how is Q related to K?
Study the information carefully and answer the questions given below.

There are eight members in a three-generation family. No single parent is there in the family. S is the sister of W. K is the daughter of P. U is the grandson of W. J is the sister-in-law of K who is not married. U is the son of R. S doesn't have a brother. J has two children. R is the father of Q.

- (a) Brother
- (b) Daughter
- (c) Nephew
- (d) Neice
- (e) Can't be determined

Ans.(c)

Q33. Find the odd-one out.

- (a) DFI
- (b) MOR
- (c) SUX
- (d) HJL
- (e) EGJ

Ans.(d)

Q34. In the number '478732359', if all the odd positioned digits are subtracted by 1 and all the even positioned digits are added by 1 (count from left to right), then how many digits are not repeated in the new number formed after rearrangement?

- (a) 8
- (b) 6, 7 and 8
- (c) 7 and 8
- (d) 6
- (e) 6 and 7

Ans.(e)

Q35. What is the position of B with respect to F?

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit around a circular table but not in the same order as given. Some of them face inside and some face outside.

One person sits between B and C. H sits second to the right of C. Two persons sit between H and A. D sits immediate left of A. Both the immediate neighbors of A face opposite direction of A. Three persons sit between G and E. G and B face same direction but they do not sit adjacent to each other. Less than three persons face outside.

- (a) 2nd to the right

- (b) 3rd to the right
- (c) 2nd to the left
- (d) 4th to the right
- (e) 3rd to the left

Ans.(b)

Q36. Four of the following five are similar in a certain manner 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 around a circular table but not in the same order as given. Some of them face inside and some face outside.

One person sits between B and C. H sits second to the right of C. Two persons sit between H and A. D sits immediate left of A. Both the immediate neighbors of A face opposite direction of A. Three persons sit between G and E. G and B face same direction but they do not sit adjacent to each other. Less than three persons face outside.

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

Ans.(a)

Q37. How many persons sit between E and D when counted from the left of D?

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit around a circular table but not in the same order as given. Some of them face inside and some face outside.

One person sits between B and C. H sits second to the right of C. Two persons sit between H and A. D sits immediate left of A. Both the immediate neighbors of A face opposite direction of A. Three persons sit between G and E. G and B face same direction but they do not sit adjacent to each other. Less than three persons face outside.

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

Ans.(d)

Q38. Who among the following sits immediate left of H?

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit around a circular table but not in the same order as given. Some of them face inside and some face outside.

One person sits between B and C. H sits second to the right of C. Two persons sit between H and A. D sits immediate left of A. Both the immediate neighbors of A face opposite direction of A. Three persons sit between G and E. G and B face same direction but they do not sit adjacent to each other. Less than three persons face outside.

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

(e) G

Ans.(e)

Q39. . Which of the following statement is/are correct?

Read the given information carefully and answer the related questions:

Eight persons A, B, C, D, E, F, G and H sit around a circular table but not in the same order as given. Some of them face inside and some face outside.

One person sits between B and C. H sits second to the right of C. Two persons sit between H and A. D sits immediate left of A. Both the immediate neighbors of A face opposite direction of A. Three persons sit between G and E. G and B face same direction but they do not sit adjacent to each other. Less than three persons face outside.

(a) H and C face the same direction

(b) D face inside

(c) All options are correct

(d) F sits opposite to B

(e) E sits immediate right of C

Ans.(b)

Q40. If we form a four-letter meaningful word using the 3rd, 4th, 5th, and 8th letters from the left end of the word "HIERARCHY" then what would be the second letter from the left end of that meaningful word? If no meaningful word is formed, mark the answer as X. If more than one meaningful word is formed, mark the answer as Z.

(a) Z

(b) H

(c) A

(d) X

(e) E

Ans.(a)

Q41. Find the difference between the total number of mangoes sold to males by shops A and C together and the total number of mangoes sold to females by shops B and D together.

Read the following table carefully and answer the questions given below. The table shows the total number of mangoes sold and the percentage of mangoes sold to females by four shops.

Shops	Total number of mangoes sold	Percentage of mangoes sold to females
A	480	75%
B	560	60%
C	320	45%
D	750	80%

(a) 660

(b) 640

(c) 650

(d) 610

(e) 630

Ans.(b)

Q42. The total number of mangoes sold by shop E is 25% more than that of shop C. If the number of mangoes sold to males by shop E is $\frac{3}{4}$ of the total number of mangoes sold to males by shop B, then find the number of mangoes sold to females by shop E.

Read the following table carefully and answer the questions given below. The table shows the total number of mangoes sold and the percentage of mangoes sold to females by four shops.

Shops	Total number of mangoes sold	Percentage of mangoes sold to females
A	480	75%
B	560	60%
C	320	45%
D	750	80%

- (a) 232
- (b) 239
- (c) 243
- (d) 227
- (e) 210

Ans.(a)

Q43. The total number of mangoes sold to females by shop A is what percentage more or less than the total number of mangoes sold to males by shop D?

Read the following table carefully and answer the questions given below. The table shows the total number of mangoes sold and the percentage of mangoes sold to females by four shops.

Shops	Total number of mangoes sold	Percentage of mangoes sold to females
A	480	75%
B	560	60%
C	320	45%
D	750	80%

- (a) 125%
- (b) 175%
- (c) 150%
- (d) 120%
- (e) 140%

Ans.(e)

Q44. The number of mangoes sold by shop C to males and females at 25% and 50% profit, respectively. If the cost price of each mango sold by shop C is Rs 20, then find the overall profit earned by shop C (in Rs).

Read the following table carefully and answer the questions given below. The table shows the total number of mangoes sold and the percentage of mangoes sold to females by four shops.

Shops	Total number of mangoes sold	Percentage of mangoes sold to females
A	480	75%
B	560	60%
C	320	45%
D	750	80%

- (a) 3120
- (b) 4450
- (c) 2320
- (d) 3390
- (e) 3450

Ans.(c)

Q45. $\frac{5}{8}$ of the number of mangoes sold to females by shop B are rotten, and the total number of rotten mangoes sold by shop B is 315. Find the number of fresh mangoes sold to males by shop B.

Read the following table carefully and answer the questions given below. The table shows the total number of mangoes sold and the percentage of mangoes sold to females by four shops.

Shops	Total number of mangoes sold	Percentage of mangoes sold to females
A	480	75%
B	560	60%
C	320	45%
D	750	80%

(a) 104

(b) 123

(c) 119

(d) 113

(e) 134

Ans.(c)

Q46. The total number of apples sold by shop D is 20% less than the average number of mangoes sold by shops B and C. The total number of apples sold to males by shop D and the total number of mangoes sold to females by shop B are in the ratio of 9:16, respectively. Find the total number of apples sold to females by shop D.

Read the following table carefully and answer the questions given below. The table shows the total number of mangoes sold and the percentage of mangoes sold to females by four shops.

Shops	Total number of mangoes sold	Percentage of mangoes sold to females
A	480	75%
B	560	60%
C	320	45%
D	750	80%

(a) 114

(b) 153

(c) 109

(d) 123

(e) 163

Ans.(e)

Q47. 157, ?, 171, 150, 185, 164

Find the missing number in the following number series.

(a) 126

(b) 136

(c) 148

(d) 154

(e) 140

Ans.(b)

Q48. 1.8, 9, 36, 108, ?, 216,

Find the missing number in the following number series.

(a) 180

(b) 280

(c) 192

(d) 216

(e) 264

Ans.(d)

Q49. 4, ?, 39, 103, 228, 444

Find the missing number in the following number series.

(a) 9

(b) 10

(c) 16

(d) 8

(e) 12

Ans.(e)

Q50. 6, 7, 16, 51, 208, ?

Find the missing number in the following number series.

(a) 970

(b) 845

(c) 1085

(d) 985

(e) 1045

Ans.(e)

Q51. 224, 207, 188, 165, 136, ?

Find the missing number in the following number series.

(a) 115

(b) 102

(c) 104

(d) 103

(e) 105

Ans.(e)

Q52. 59.99% of 800 - 12.01% of 900.1 = $?\frac{4}{7}$ of 91.01

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

(a) 461

(b) 320

(c) 142

(d) 280

(e) 456

Ans.(b)

Q53. $? + 247.01 - 156.09 = (17.01)^2 + 15.01\%$ of 79.99

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

(a) 200

(b) 275

(c) 250

(d) 210

(e) 260

Ans.(d)

Q54. $\sqrt{1443.98+(16.02)^2}=6\times(?)^2$

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

- (a) 12
- (b) 8
- (c) 7
- (d) 11
- (e) 14

Ans.(c)

Q55. $32.04\% \text{ of } 1499.98 - 70.01\% \text{ of } 600.01 + 2.99 \times 7.01 = (?)^2$

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

- (a) 5
- (b) 14
- (c) 7
- (d) 11
- (e) 9

Ans.(e)

Q56. $\frac{2079.001}{(?)^3} = \sqrt[3]{1331.01} - 35.01 \times 11.99 + 639.99$

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

- (a) 9
- (b) 13
- (c) 7
- (d) 15
- (e) 12

Ans.(a)

Q57. $\frac{(?)^3}{3} + 171.01 + 156.99 = 321.09 + 249.01 - 97.99$

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

- (a) 468
- (b) 432
- (c) 420
- (d) 480
- (e) 456

Ans.(b)

Q58. The speed of a boat in still water is 14.4 km/hr and the ratio of downstream to upstream speed of the boat is 3:1 respectively. Find the time taken by the boat to cover 216 km downstream (in hours).

- (a) 8
- (b) 10
- (c) 7
- (d) 5.5
- (e) 12

Ans.(b)

Q59. In a college, total non-technical girls' students are 20% less than total technical girls' students and 36% of students in college are girls. If technical girls' students are 50% of technical boys' students, then find non-technical boys' students are what percent less than technical boys' students?

- (a) 35%

- (b) 40%
- (c) 50%
- (d) 30%
- (e) 25%

Ans.(b)

Q60. A and B together can complete a work in 18 days, and B alone can complete the same work in 45 days. If 50% of the work is completed by A in $(X + 10)$ days, then find X.

- (a) 10
- (b) 8
- (c) 6
- (d) 4
- (e) 5

Ans.(e)

Q61. A square is cut into four equal smaller squares. The total perimeter of the original square is 168 cm. A circle is drawn whose radius is equal to the side of one smaller square. Find the area of the circle (in cm^2).

- (a) 1386
- (b) 1674
- (c) 1342
- (d) 1459
- (e) 1214

Ans.(a)

Q62. The ratio of the cost price to the selling price of an article is 20:27. The marked price of the article is Rs 4500, and it is sold after allowing a discount of 25%. Find the profit (in Rs).

- (a) 925
- (b) 900
- (c) 875
- (d) 775
- (e) 1090

Ans.(c)

Q63. I. $x^2 + 11x + 24 = 0$

II. $4y^2 + 13y + 10 = 0$

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

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

Ans.(c)

Q64. I. $x^2 - 7x - 60 = 0$

II. $y^2 + 13y + 40 = 0$

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

- (a) $x \geq y$
- (b) $x \leq y$

- (c) $x > y$
- (d) $x < y$
- (e) $x = y$ or no relation.

Ans.(a)

Q65. I. $x^2 + x - 12 = 0$

II. $y^2 + 2y - 15 = 0$

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

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

Ans.(e)

Q66. I. $2x^2 + 13x + 21 = 0$

II. $y^2 + 6y + 9 = 0$

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

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

Ans.(d)

Q67. I. $x^2 + 12x + 35 = 0$

II. $y^2 + 7y + 10 = 0$

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

- (a) $x \geq y$
- (b) $x \leq y$
- (c) $x > y$
- (d) $x < y$
- (e) $x = y$ or no relation.

Ans.(b)

Q68. Find the sum of total seats in A and B.

Read the data carefully and answer the following questions.

There are two buses A and B. Total number of seats in A is 40 and out of that 6 seats are vacant. The number of males occupied the seat in A is 6 more than that of females occupied the seats. The vacant seats in B is 50% less than that of A. The ratio of male occupied to females occupied the seats in bus B is 10:7. Total occupied seats in B is 50% more than A.

- (a) 94
- (b) 92
- (c) 96
- (d) 100
- (e) 95

Ans.(a)

Q69. Find the total seats occupied by females in both the buses is what percentage of total seats in A.

Read the data carefully and answer the following questions.

There are two buses A and B. Total number of seats in A is 40 and out of that 6 seats are vacant. The number of males occupied the seat in A is 6 more than that of females occupied the seats. The vacant seats in B is 50% less than that of A. The ratio of male occupied to females occupied the seats in bus B is 10:7. Total occupied seats in B is 50% more than A.

- (a) 84.25%
- (b) 82%
- (c) 81.25%
- (d) 87.5%
- (e) 81.2%

Ans.(d)

Q70. Find the ratio of occupied seats in B to vacant seats in both the buses.

Read the data carefully and answer the following questions.

There are two buses A and B. Total number of seats in A is 40 and out of that 6 seats are vacant. The number of males occupied the seat in A is 6 more than that of females occupied the seats. The vacant seats in B is 50% less than that of A. The ratio of male occupied to females occupied the seats in bus B is 10:7. Total occupied seats in B is 50% more than A.

- (a) 4:5
- (b) 2:5
- (c) 5:6
- (d) 7:10
- (e) 17:3

Ans.(e)

Q71. Age of Akash one year hence will be half of the present age of Ayush and present age of Akash is 25% less than the present age of Adarsh. If Adarsh is eighteen years younger than Ayush, then find age of Akash six years ago?

- (a) 15 years
- (b) 25 years
- (c) 20 years
- (d) 18 years
- (e) 12 years

Ans.(d)

Q72. Length of train A is 25% more than length of train B and speed of train A is 90 km/hr. If train A crosses a pole in 12 seconds and train B crosses train A in 36 seconds while running in same direction, then find time taken by train B to cross a 400 meters long platform.

- (a) 10 seconds
- (b) 12 seconds
- (c) 15 seconds
- (d) 16 seconds
- (e) 18 seconds

Ans.(d)

Q73. A vessel contains milk and water in the ratio of 4:1, respectively. If 20 liters of mixture are taken out and 5 liters of milk are added to the mixture, then the ratio of milk to water becomes 13:2, respectively. Find the initial quantity of water (in liters).

- (a) 12

- (b) 9
- (c) 5
- (d) 6
- (e) 7

Ans.(d)

Q74. A man invested Rs P in simple interest at 10% p.a. for two years and received interest of Rs 525. If he invested Rs 500 more in compound interest at the same rate for the same period, then find the compound interest he received (in Rs).

- (a) 656.25
- (b) 666.26
- (c) 655.25
- (d) 635.25
- (e) 645.25

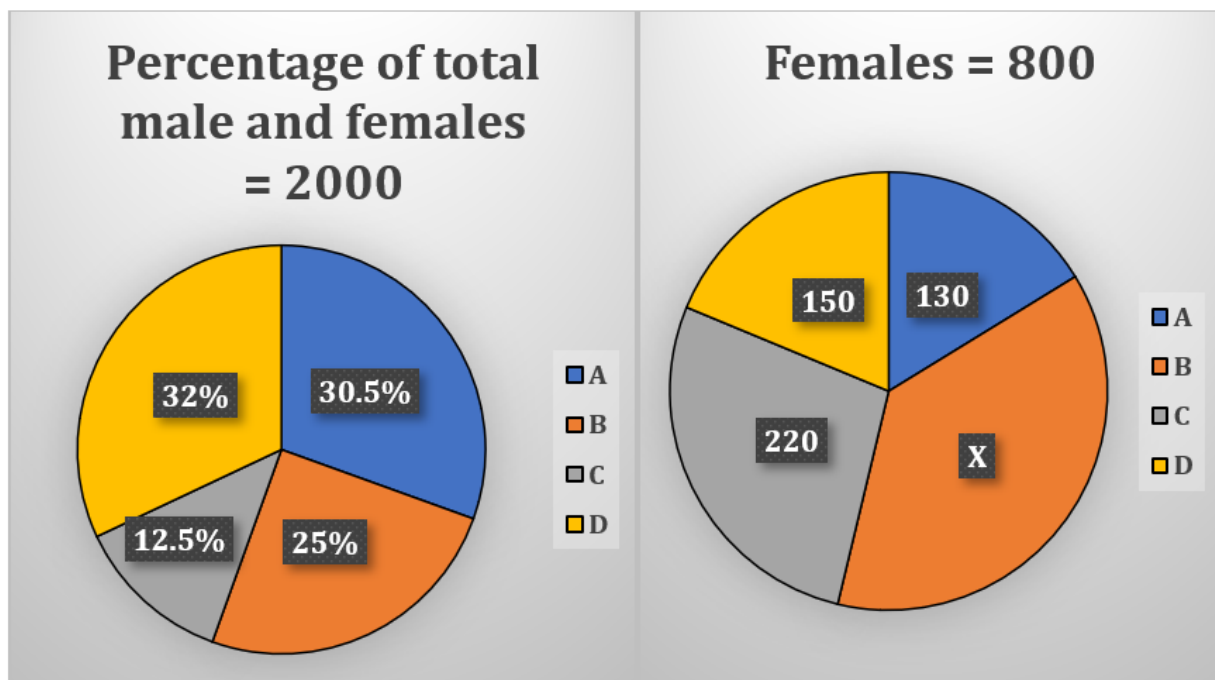
Ans.(a)

Q75. A started a business with an investment of Rs 4500. After a few months, B joined the partnership with an investment of Rs 6000. At the end of the year, the total profit was Rs 2600, out of which B's share was Rs 800. Find the time period (in months) for which B invested his money in the business.

- (a) 6
- (b) 4
- (c) 3
- (d) 5
- (e) 9

Ans.(b)

Directions (76-80): Read the information carefully and answer the following questions. The pie chart shows the percentage of total students (male and females) in four colleges and another pie chart shows the number of females in these colleges.



Q76. Find the average number of males in B, C & D.

- (a) 240
- (b) 120
- (c) 360
- (d) 100
- (e) 150

Ans.(a)

Q77. Find the ratio of males in college C and D together to females in A and C together.

- (a) 24:25
- (b) 52:35
- (c) 35:36
- (d) 9:10
- (e) 15:14

Ans.(b)

Q78. Find the total females in C and B together is what percentage of total students in D.

- (a) 84.25%
- (b) 82%
- (c) 81.25%
- (d) 100%
- (e) 81.2%

Ans.(c)

Q79. In college E, total number of students is $3X$, out of that 35% are females. Find the males in E is what percentage more/less than total students in B.

- (a) 15%
- (b) 12%
- (c) 16%
- (d) 10%
- (e) 17%

Ans.(e)

Q80. Find the difference between total students in A & B together and twice the males in B.

- (a) 740
- (b) 720
- (c) 760
- (d) 710
- (e) 750

Ans.(d)