

Reasoning Ability Practice PDF for IBPS RRB PO and Clerk Mains 2023

Directions (1-3): Study the following information carefully and answer the questions given below.

There are eight persons in a family. In this family there are three married couples and three generations. P is grandfather of T. V is daughter-in-law of Q, who is mother of O. U is father-in-law of V. O is granddaughter of R. T is not unmarried. S is brother-in-law of U. R has only one daughter.

Q1. Who among the following is grandson of R?

- (a) O
- (b) T
- (c) V
- (d) U
- (e) None of these

Q2. Who among the following niece of S?

- (a) Q
- (b) R
- (c) T
- (d) O
- (e) None of these

Q3. Who among the following is father of T?

- (a) Q
- (b) S
- (c) U
- (d) R
- (e) None of these

Q4. There are two generation and two married couple in the family. There are five members in this family. A is mother-in-law of B. D is father of C. A has only one son. C is nephew of E. B is not married to D. E is unmarried women. Then who among the following is father-in-law of B?

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

Q5. Introducing a boy, a girl says, "He is the son of the only sister of my mother's brother." How is the boy related to that girl?

- (a) Father-in-law
- (b) Brother
- (c) Cousin
- (d) Niece
- (e) Son

Directions (6-8): Study the following information carefully and answer the given questions:

A, D, B, C, E, F, H and G are eight persons of a family. There are three married couple and three generation. A is the only daughter of D who is the paternal grandfather of E. G is the only child of C. F is mother-in-law of B. The number of males in the family is two more than number of females. E is unmarried. C is the son-in-law of D. H is not married to D.

Q6. How is A related to E?

- (a) Mother
- (b) Sister
- (c) Father
- (d) Brother
- (e) None of these

Q7. How is F related to A?

- (a) Son
- (b) Father
- (c) Daughter
- (d) Mother
- (e) None of these

Q8. Which of the following is the pair of "husband-wife"?

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


Q9. If 'A \$ B' means 'A is the son of B', 'A @ B' means 'A is the mother of B', 'A % B' means 'A is son-in law of B' and 'A # B' means 'A is the daughter of B' then in 'P \$ R # M % N' how is N related to R?

- (a) Daughter
- (b) Grandfather
- (c) Grandmother
- (d) Can't determined
- (e) None of these

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Q10. Pointing towards a girl in a Photograph Riya, who is a female said, "she is the only daughter of the son of my mother's father's only sister. How is Riya related to that girl?"

- (a) Paternal Aunt
- (b) Daughter
- (c) Cousin
- (d) Maternal Aunt
- (e) None of these

Directions (11-12): Read the following information carefully to answer the following questions-

If ' $P \times Q$ ' means P is mother of Q.

If ' $P - Q$ ' means P is brother of Q.

If ' $P \div Q$ ' means P is wife of Q.

If ' $P + Q$ ' means P is father of Q.

Q11. In the expression $T \times P \div R + Q - S$, how is Q related to T?

- (a) Daughter
- (b) Grandson
- (c) Son
- (d) Can't determined
- (e) None of these

Q12. In which of the following expression W is mother of H?

- (a) $U \times W + B - H \times L$
- (b) $U + W - B \div H + L$
- (c) $U \times W \div B - H - L$
- (d) $U \div W + B - H \times L$
- (e) $U + W \times B - H \div L$

Directions (13-14): Read the following information carefully and answer the given questions.

There are eight people namely M, N, Q, T, W, X, Y and Z in a family, all of them are going to attend a marriage party. There are two married couple in the family. Q is the mother of N. W is the daughter of M who is the sister of X. Q is the only sister of Y. Z is father of Q. T is the maternal grandmother of N. M is the wife of Y.

Q13. How is N related to Z?

- (a) Son
- (b) Grand daughter
- (c) Grand son
- (d) Daughter
- (e) Can't determined

Q14. How many male members are there in the family?

- (a) Four
- (b) Three
- (c) Can't determined
- (d) Five
- (e) None of these

Q15. Amit is the son of Shiv. Shiv's sister, Jaya has a son Rohit and a daughter Yami. Riya is the mother of Amit's father. How is Yami related to Riya?

- (a) Mother
- (b) Granddaughter
- (c) Sister
- (d) Niece
- (e) None of these

Directions (16-17): Read the following information carefully and answer the question which follows:

IF ' $A \times B$ ' means 'A is son of B'

IF ' $A + B$ ' means 'A is daughter of B'

IF ' $A \div B$ ' means 'A is wife of B'

IF ' $A - B$ ' means 'A is Father of B'

Q16. What will come in the place of the question mark, to establish that M is mother of J in the expression?

' $J + K - L ? M$ '

- (a) +
- (b) \times
- (c) -
- (d) \div
- (e) Either (a) or (b)

Q17. Which of the following relations are true based upon the relations given in the question?

$J \div K \times L - M + N$?

- (a) K is brother of N
- (b) J is daughter-in-law of M
- (c) J is daughter-in-law of N
- (d) N is daughter of L
- (e) None is true

Directions (18-19): Read the following information carefully and answer the questions given below:

There are seven members S, T, U, V, W, X and Y in a family among them only 3 females. S is married to V. W is grandson of V who has two children. U is sister in law of Y who is unmarried. X is brother in law of S who is mother in law of U.

Q18. How X is related to Y?

- (a) Uncle
- (b) Brother
- (c) Mother
- (d) Sister
- (e) Grandson

Q19. Who among the following is the father of W?

- (a) U
- (b) T
- (c) X
- (d) Y
- (e) None of these

Directions (20-22): Study the following information carefully and answer the questions which follow-

' $P - Q$ ' means 'P is father of Q'

' $P \div Q$ ' means 'P is sister of Q'

' $P \times Q$ ' means 'P is mother of Q'

' $P + Q$ ' means 'P is brother of Q'

Q20. Which of the following means 'A is nephew of B'?

- (a) $A + C - B \times K$
- (b) $B \div H - A + D$
- (c) $B \div G - A \div R$
- (d) $B + T \times A \div E$
- (e) None of these

Q21. Which of the following means 'P is grandfather of J'?

- (a) $J \div W - U - P$
- (b) $P \times G + J \div A$
- (c) $P - B \div J \div R$
- (d) $P - T - J \div S$
- (e) None of these

Q22. How is R related to B in the expression ' $B \div C - S + R$ '?

- (a) aunt
- (b) niece
- (c) nephew
- (d) None of these
- (e) Cannot be determined

Directions (23-24): Study the information carefully and answer the questions given below.

P is father of M who is brother in law of K. N is daughter in law of Z who is grandmother of L. P has only two children one son and one daughter. X is sister in law of N. P is father in law of N. K is unmarried.

Q23. If K is wife of J then what could be the relation of J with respect to N?

- (a) Brother
- (b) Brother in law
- (c) Uncle
- (d) Cannot be determined
- (e) None of these.

Q24. What is relation of L with respect to X?

- (a) Nephew
- (b) Niece
- (c) Son
- (d) Daughter
- (e) Cannot be determined

Directions (25-26): Study the following information carefully to answer the given questions

$P \times Q$ means P is father of Q

$P \div Q$ means P is daughter of Q

$P + Q$ means P is sister of Q

$P - Q$ means P is husband of Q

Q25. In $M \div N \times O - P$, How O related to M?

- (a) Brother
- (b) Son -in-law
- (c) Father
- (d) Son
- (e) None of these

Q26. In $G \times T + Q \div M$, how is M related to G?

- (a) Mother
- (b) Sister
- (c) Wife
- (d) Daughter
- (e) None of these.

Directions (27-28): Study the information carefully and answer the questions given below.

M, N, O, P, Q and R are six family members. Q is son of P, who is not the mother of Q. N is brother of P. R and P are a married couple. O is daughter of R, who is sister of M.

Q27. How many female members are there in the family?

- (a) Two
- (b) Three
- (c) Four
- (d) Can't be determined
- (e) None of these

Q28. How is Q related to O?

- (a) Mother
- (b) Father
- (c) Sister
- (d) Brother
- (e) None of these

Directions (29-30): Study the following information carefully and answer the questions which follow-

' $P - Q$ ' means 'P is father of Q'

' $P \div Q$ ' means 'P is sister of Q'

' $P \times Q$ ' means 'P is mother of Q'

' $P + Q$ ' means 'P is brother of Q'

Q29. Which of the following means 'A is nephew of B'?

- (a) $A + C - B \times K$
- (b) $B \div H - A + D$
- (c) $B \div G - A \div R$
- (d) $B + T \times A \div E$
- (e) None of these

Q30. Which of the following means 'P is grandfather of J'?

- (a) $J \div W - U - P$
- (b) $P \times G + J \div A$
- (c) $P - B \div J \div R$
- (d) $P - T - J \div S$
- (e) None of these

Directions (31-35): Study the information given below and answer the questions based on it.

In a certain code language,

'Should save some money' is coded as 'ze lo ka gi'

'They made better money' is coded as 'fe ka so ni'

'They should be better' is coded as 'ni lo da so'

'Be better save grace' is coded as 'we so ze da'

Q31. What does the code 'ze' stand for?

- (a) Some
- (b) Should
- (c) Be
- (d) Grace
- (e) Save

Q32. Which of the following is the code of 'better'?

- (a) So
- (b) We
- (c) Ze
- (d) Lo
- (e) Fe

Q33. 'Grace of money' may be coded as?

- (a) ka da fe
- (b) we ka so
- (c) ja da wo
- (d) ka we yo
- (e) ja ka je

Q34. What does the code 'gi fe' stand for?

- (a) Some made
- (b) Should better
- (c) Be money
- (d) Grace made
- (e) Save some

Q35. Which of the following is the code of 'grace'?

- (a) da
- (b) we
- (c) ze
- (d) lo
- (e) None of these

Directions (36-40): Study the following data carefully and answer the questions accordingly.

In a certain code language-

"Salad half harm later" is written as "co oe oh wv".

"Declare capital park salad" is written as "fe oh ve ie".

"Harm declare gather later" is written as "ve co wv ee".

"Later task park calculate" is written as "fe ae ye co".

Q36. What will be the possible code for "gather white capital"?

- (a) ie ee fe
- (b) ie oh co
- (c) ee ve cf
- (d) ie ee bh
- (e) fe ie ve

Q37. If "salad task declare" is coded as "ae oh ve", then what will be the code for "calculate"?

- (a) co
- (b) fe
- (c) ae
- (d) ye
- (e) None of these

Q38. What is the code for "park"?

- (a) ae
- (b) fe
- (c) co
- (d) wv
- (e) None of these

Q39. Which of the following is coded as 'oe'?

- (a) Harm
- (b) Later
- (c) Half
- (d) Declare
- (e) None of these

Q40. If "later gain harm" is written as "wv co te", then what will be the code for "gain"?

- (a) oh
- (b) wv
- (c) co
- (d) te
- (e) None of these

Directions (41-45): Study the following information carefully and answer the questions accordingly.

In a certain code language:

'Assignment white need paper' is coded as 'lc jc tc sc',

'Safety white paper' is coded as 'sc ta tc',

'Assignment white sample waste' is coded as 'jc sc or no',

'Warm sale waste' is coded as 'or uv rv'.

Q41. What is the code for 'need'?

- (a) tc
- (b) sc
- (c) jc
- (d) lc
- (e) None of these

Q42. What is the code for 'white'?

- (a) lc
- (b) jc
- (c) ta
- (d) sc
- (e) None of these

Q43. What is the code for 'paper'?

- (a) lc
- (b) tc
- (c) ta
- (d) sc
- (e) None of these

Q44. What could be the code for 'waste sample safety'?

- (a) ta or tc
- (b) jc no or
- (c) ta no or
- (d) no vu ta
- (e) None of these

Q45. Which of the following is coded as 'uv'?

- (a) Waste
- (b) Sale
- (c) Paper
- (d) Warm
- (e) Can't be determined

Directions (46-50): Read the following information carefully and answer the questions given below.

In a certain code language:

"Inside result happy spirit" is written as "ae me le ue".

"Picture down morning inside" is written as "de le te ge".

"Happy picture good spirit" is written as "te ae ue ce".

"Spirit win morning spark" is written as "de ye we ae".

Q46. What is the possible code for "good way down"?

- (a) ce me ge
- (b) pe me ge
- (c) ce te le
- (d) pe ce ge
- (e) None of these

Q47. If "Inside win picture" is coded as "ye le te", then what will be the code for "Spark"?

- (a) xe
- (b) we
- (c) ce
- (d) de
- (e) Can't determined

Q48. What is the code for "Morning"?

- (a) de
- (b) te
- (c) ae
- (d) ue
- (e) None of these

Q49. What is the word for the code "me" in the given code language?

- (a) spirit
- (b) good
- (c) result
- (d) spark
- (e) win

Q50. If "Spirit give happy" is written as "ue ae re", then what will be the code for "Give"?

- (a) ae
- (b) ue
- (c) re
- (d) data inadequate
- (e) Can't determine

Directions (51-55): Study the following information carefully and answer the given questions:

In a certain code language,

"Only in serial order" is written as "ve pu na to",

"Order in the state" is written as "li ve su pu",

"The logical idea only" is written as "su na ri jo"

"In idea or theory" is written as "zt jo bk pu"

Q51. Which of the following is the code of 'or'?

- (a) zt
- (b) bk
- (c) jo
- (d) pu
- (e) either 'zt' or 'bk'

Q52. The code 'li ri to ve' may represent:

- (a) serial order theory only
- (b) only idea state order
- (c) state logical serial order
- (d) serial theory state the
- (e) only the idea logical

Q53. Which of the following may represent 'logical idea is order'?

- (a) jo na ri ge
- (b) ve na ri jo
- (c) ri ve na zt
- (d) bk to pu jo
- (e) None of these

Q54. Which of the following is the code of 'only'?

- (a) su
- (b) jo
- (c) na
- (d) ri
- (e) Cannot be determined

Q55. Which of the following is code of 'theory'?

- (a) zt
- (b) bk
- (c) ve
- (d) su
- (e) Cannot be determined

Directions (56-60): Study the following information carefully and answer the questions given below:

In a certain code language

'Study book room rent' is coded as 'dy bk rm rt'

'Room rent is high' is coded as 'rm rt si gh'

'Pay rent is more' is coded as 'yp rt si me'

'More study work hard' is coded as 'me dy wk hd'

Q56. What is the code for 'more room'?

- (a) rm si
- (b) me gh
- (c) me rm
- (d) bk rm
- (e) None of these

Q57. What is the code for 'work is hard'?

- (a) hd gh si
- (b) wk hd rt
- (c) wk si hd
- (d) si wk yp
- (e) Cannot be determined

Q58. 'dy' is denoted as?

- (a) book
- (b) room
- (c) rent
- (d) study
- (e) None of these

Q59. What is the code for 'book'?

- (a) dy
- (b) bk
- (c) rt
- (d) rm
- (e) None of these

Q60. 'wk' is the code for?

- (a) work
- (b) high
- (c) hard
- (d) Either (a) or (b)
- (e) Cannot be determined

Directions (61-63): Study the following information carefully and answer the questions given below:

S is 5m to the west of K. I is 4m to the north of K. P is 5m to the east of I. J is 4m to the south of P. F is 2m to the east of J.

Q61. What is the shortest distance between point I and point S?

- (a) 32m
- (b) 41m
- (c) $\sqrt{31}$ m
- (d) $\sqrt{41}$ m
- (e) None of these

Q62. What is the direction of point F with respect to point I?

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

Q63. What is the shortest distance between point P and point F ?

- (a) $\sqrt{21}$ m
- (b) 2m
- (c) $2\sqrt{5}$ m
- (d) 3m
- (e) None of these

Directions (64-66): Study the following information carefully and answer the questions given below:

Point J is towards the north of point K. point K is towards the west of point L. Point L is towards the north of point M. Point M is towards the east of point O. Point O is towards the north of point N. Where, $JK=2KL=2LM=2MO=ON=10$ m.

Q64. Which of the following point lies on a straight line?

- (a) J,K,M
- (b) K,O,L
- (c) N,M,L
- (d) N,O,M
- (e) J,K,O

Q65. What is the total distance between J and N?

- (a) 35m
- (b) 25m
- (c) 45m
- (d) 55m
- (e) 65m

Q66. Point M is in which direction with respect to K?

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

Directions (67-69): Study the following information carefully and answer the questions given below:

Hemant starts walking in the north direction from his house which is at point O. After walking 15m he turns towards his left and walks another 15m. He then turns towards his right and walks 20m to reach his office at point K. Heena starts walking from point O in the south direction. After walking 20m she turns towards her left and walks 15m. After that she turns towards her left and walks another 15m to reach her office at point J.

Q67. What is the shortest distance between point K and point J?

- (a) 50m
- (b) 60m
- (c) 53m
- (d) 55m
- (e) 65m

Q68. In which direction is point J with respect to point O?

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

Q69. If point M is towards east of point K and towards north of point J, then what is the shortest distance between M and J?

- (a) 40m
- (b) 45m
- (c) 35m
- (d) Cannot be determined
- (e) 50m

Directions (70-72): Study the following information carefully and answer the questions given below:

Point A is 25m west of point B. Point B is 30m north of point C. Point D is 15m west of point C. Point E is 30m south of point D. Point G is 20m east of point E.

Q70. What is the shortest distance between point C and point E?

- (a) $\sqrt{1225}$ m
- (b) $25\sqrt{5}$ m
- (c) $10\sqrt{5}$ m
- (d) $15\sqrt{5}$ m
- (e) 1125m

Q71. Point G is in which direction with respect to point B?

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

Q72. If point K is south of point A and west of point E, then what is the shortest distance between G and K?

- (a) 20m
- (b) 25m
- (c) 40m
- (d) 50m
- (e) None of these

Directions (73-75): Study the following information carefully and answer the questions given below.

D is 5m to the west of E. F is 2m to the west of C. B is 4m to the south of C. A is 5m to the west of B. E is 4m to the south of A.

Q73. What is the shortest distance between point E and point B?

- (a) $\sqrt{41}$ m
- (b) $\sqrt{43}$ m
- (c) 5m
- (d) $4\sqrt{3}$ m
- (e) None of these

Q74. What is the direction of point C with respect to point D ?

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

Q75. What is the total distance between the point E and Point F?

- (a) 11m
- (b) 14m
- (c) 15m
- (d) 12m
- (e) 16m

Directions (76-80): In these questions, a relationship between different elements is shown in the Statements. The Statements are followed by two Conclusions. Give answer

Q76.

Statement: $A > B; G < D \leq E; G \geq F > B$

Conclusion: I. $G \geq A$ II. $B < E$

- (a) if only Conclusion II is true.
- (b) if only Conclusion I is true.
- (c) if neither Conclusion I nor II is true.
- (d) if either Conclusion I or II is true.
- (e) if both Conclusions I and II are true.

Q77.

Statement: $A > T \geq J; A \leq S = H; I > T$

Conclusion: I. $H > J$ II. $I > S$

- (a) if both Conclusion I and II are true.
- (b) if only Conclusion I is true.
- (c) if neither Conclusion I nor II is true.
- (d) if either Conclusion I or II is true.
- (e) if only Conclusion II is true.

Q78.

Statement: $J \geq K > L < M \geq N; K \geq O = T$

Conclusion: I. $J > O$ II. $J = T$

- (a) if only Conclusion II is true.
- (b) if either Conclusion I or II is true.
- (c) if neither Conclusion I nor II is true.
- (d) if only Conclusion I is true.
- (e) if both Conclusions I and II are true.

Q79.

Statement: $A > T = N; A > S > R; A < M$

Conclusion: I. $R < T$ II. $N \leq R$

- (a) if only Conclusion II is true.
- (b) if only Conclusion I is true.
- (c) if neither Conclusion I nor II is true.
- (d) if either Conclusion I or II is true.
- (e) if both Conclusions I and II are true.

Q80.

Statement: $A < B \leq C; F < M \leq C; C > Q$

Conclusion: I. $Q \leq F$ II. $F > Q$

- (a) if only Conclusion II is true.
- (b) if either Conclusion I or II is true.
- (c) if neither Conclusion I nor II is true.
- (d) if only Conclusion I is true.
- (e) if both Conclusions I and II are true.

Directions (81-85): In the following questions assuming the given Statement to be true, find which of the Conclusion(s) among given Conclusions is/are definitely true and then give your answers accordingly.

Q81.

Statements: $Q \leq W \leq G, C > U > G > O > V$

Conclusions: I. $U > W$ II. $C > Q$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Q82.

Statements: $D > H > T, W \geq P \geq H < I$

Conclusions: I. $W < T$ II. $T < I$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Q83.

Statements: $U < P < Y, J \geq F > E, S = U \geq E$

Conclusions: I. $J \leq Y$ II. $E < P$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Q84.

Statements: $T > A \geq G, G = U > E, T \geq F$

Conclusions: I. $T > U$ II. $T = U$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Q85.

Statements: $J > A \geq K, K = U > E, J \geq F > L$


Conclusions: I. $J > L$ II. $K < L$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

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Directions (86-90): In the following questions assuming the given Statement to be true, find which of the Conclusion(s) among given Conclusions is/are definitely true and then give your answers accordingly.

Q86.

Statements: $D = E \leq S, A = L \leq C \leq D, S \geq G > H$

Conclusions: I. $L < S$

II. $L = S$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Q87.

Statements: $R \leq O = U \geq Y, P = Q = R, Y = W > X$

Conclusions: I. $Q < U$

II. $Q = U$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Q88.

Statements: $B \geq P < H \leq C, D > E = B, C < J > K \geq L$

Conclusions: I. $P < J$

II. $E \geq C$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Q89.

Statements: $V < X, T = O, X \leq P, O \geq V > S = H$

Conclusions: I. $T > S$

II. $V > P$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Q90.

Statements: $Q = W > D, E \leq F, C < W, C \leq F$

Conclusions: I. $C > D$

II. $F > Q$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Directions (91-93): Study the following information carefully and answer the given questions.

Eight persons M, N, O, P, Q, R, S and T each have different height but not necessarily in the same order. M is taller than N but shorter than P. O is taller than P and Q. S is shorter than N. T is taller than R and O. R is taller than N but shorter than M. Q is taller than P. The height of tallest person is 160 cm and fourth shortest person is 80 cm.

Q91. If total height of M and N is 135 cm, then what may be the possible height of the shortest person?

- (a) 65cm
- (b) 45cm
- (c) 55 cm
- (d) Cannot be determined
- (e) None of these

Q92. How many persons are taller than P?

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

Q93. Which of the following statement is true?

- (a) T is the second tallest person
- (b) Q is just taller than P
- (c) All are true
- (d) Height of R is 85cm
- (e) Height of O is 160cm

Directions (94-96): Study the following information carefully and answer the given questions.

Seven persons J, K, L, T, U, V, and W each have different weights but not in the same order as given. J is not the heaviest person. W is lighter than L. Weight of neither J nor T is 69kg. T is heavier than U and V. W is not the lightest person. L is heavier than V but lighter than U. J is just heavier than K. L is not just heavier than W. Weight of J is more than 50kg. The weight of the third heaviest person is 69kg while the weight of the third lightest person is 50kg.

Q94. Who among the following is the second heaviest person?

- (a) K
- (b) U
- (c) J
- (d) T
- (e) None of these

Q95. What is the possible weight of J?

- (a) 75kg
- (b) 72kg
- (c) 55kg
- (d) 48kg
- (e) Cannot be determined

Q96. How many persons are heavier than K?

- (a) Four
- (b) Three
- (c) More than four
- (d) Two
- (e) None of these

Directions (97-99): Study the following information carefully and answer the given questions.

Bipin, Jai, Karan, Praveen, Abhay, Raj and Sahil got different marks in Reasoning but not necessarily in the same order. Bipin got more marks than both Raj and Sahil. Karan got less marks than Praveen but more than Raj and Sahil. Jai got more marks than only 2 students. Praveen does not get the highest marks. Raj got 64 marks. The student who got the third highest marks got 98 marks. Bipin got less marks than Karan.

Q97. How many students got less marks than Sahil?

- (a) None
- (b) 1
- (c) 2
- (d) 3
- (e) Can't be determined

Q98. What may be the possible marks obtained by Abhay?

- (a) 87
- (b) 115
- (c) 98
- (d) 97
- (e) 61

Q99. Which of the following statement(s) is/are definitely true?

- (a) Sahil scored least marks
- (b) Raj scored less than only 1 student
- (c) Bipin scored less than only 2 students
- (d) Raj scored less than Praveen
- (e) All are true

Direction (100): Study the following information carefully and answer the given questions.

Amongst seven friends – J, K, L, M, N, O and P each have different heights but not in the same order as given. P is taller than O but not as tall as N. L is taller than N. J and K are shorter than O but taller than M. The height of third tallest person is 48cm and the shortest person is 13cm.

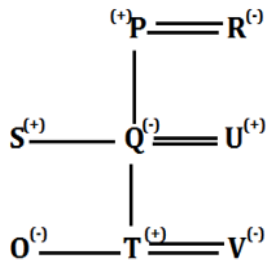
Q100. How many persons are taller than K?

- (a) One
- (b) Two
- (c) Three
- (d) Cannot be determined
- (e) More than three

Solutions

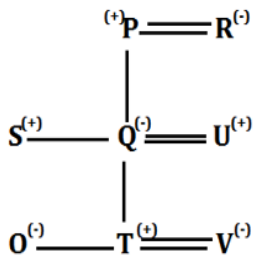
S1. Ans.(b)

Sol.



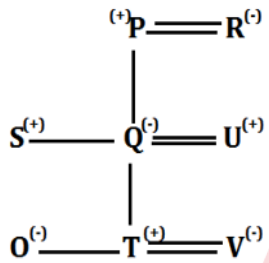
S2. Ans.(d)

Sol.



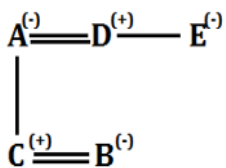
S3. Ans.(c)

Sol.



S4. Ans.(a)

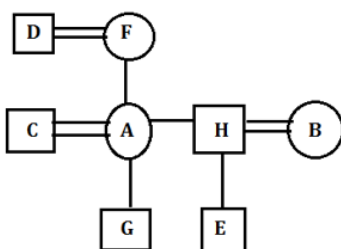
Sol.



S5. Ans.(b)

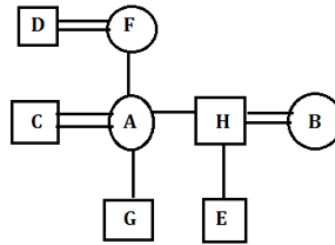
S6. Ans.(e)

Sol.



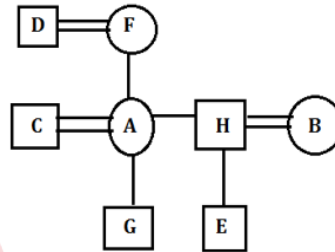
S7. Ans.(d)

Sol.



S8. Ans.(c)

Sol.

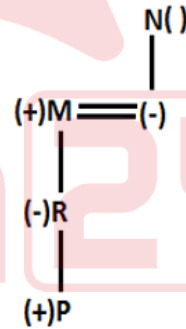


S9. Ans.(d)

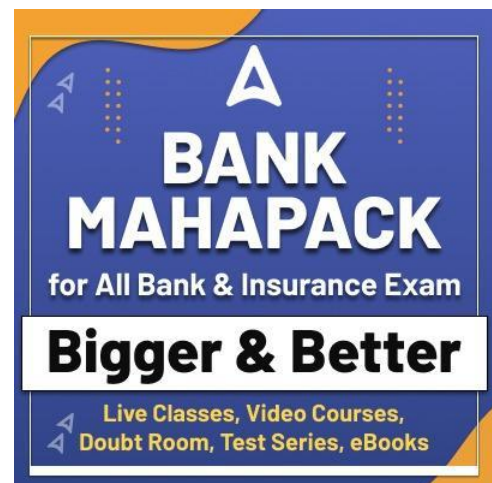
Sol.

Symbols	\$	@	%	#
Coded for	Son	Mother	Son-in law	Daughter

Given equation: P \$ R # M % N

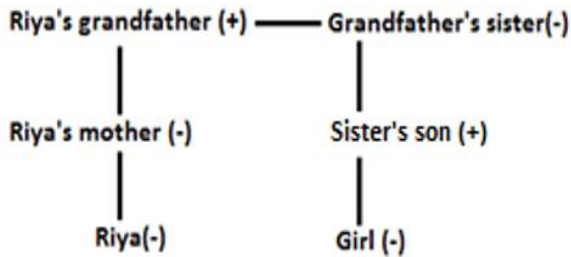


Since, the gender of N is not defined, the relationship between N and R can't be determined.



S10. Ans.(c)

Sol.

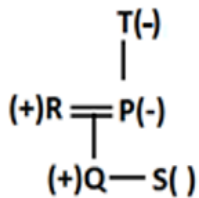


Clearly, the girl is Riya's cousin.

S11. Ans.(b)

Sol.

Symbol	×	-	÷	+
Coded for	Mother	Brother	Wife	Father

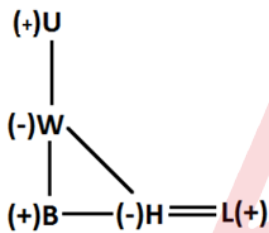


Clearly, Q is grandson of T.

S12. Ans.(e)

Sol.

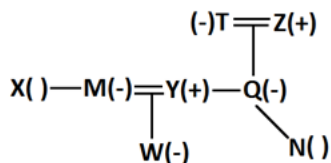
Symbol	×	-	÷	+
Coded for	Mother	Brother	Wife	Father



Clearly, the expression 'U+W×B-H÷L' represents W is mother of H.

S13. Ans.(e)

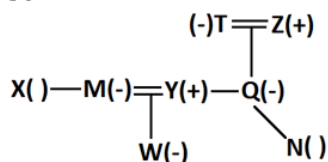
Sol.



Since, the gender of N is not defined therefore, it can't be determined.

S14. Ans.(c)

Sol.



Since, the gender of X and N is not defined therefore, it can't be determined.

S15. Ans.(b)

S16. Ans.(e)

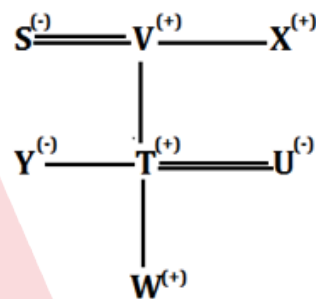
Sol. J is the daughter of K and K is the father of L. So for M to be mother of J, M should be the mother of L. Hence the question mark can be replaced by either × or +.

S17. Ans.(c)

Sol. Here L and N are husband and wife. M is their daughter, K is their son and J is their daughter-in-law. Hence only (c) is true.

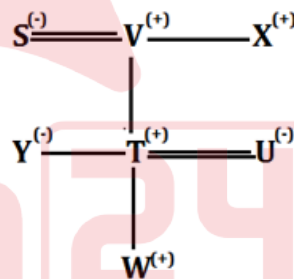
S18. Ans.(a)

Sol.



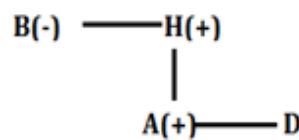
S19. Ans.(b)

Sol.



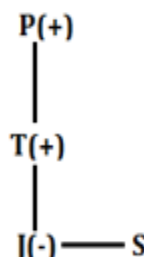
S20. Ans.(b)

Sol.



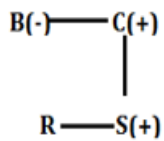
S21. Ans.(d)

Sol.



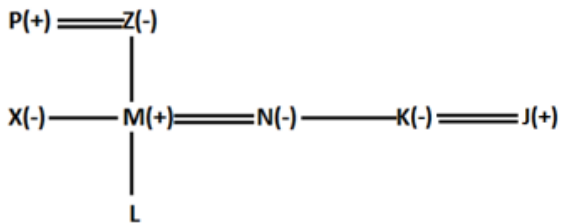
S22. Ans.(e)

Sol.



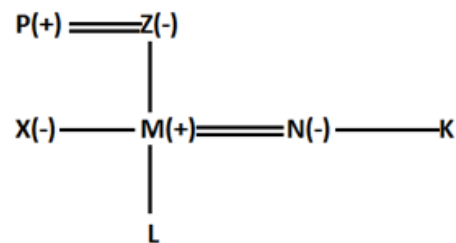
S23. Ans.(b)

Sol.



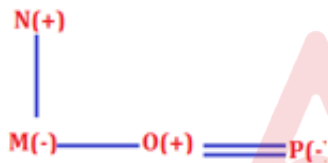
S24. Ans.(e)

Sol.



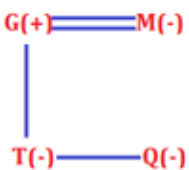
S25. Ans.(a)

Sol.



S26. Ans.(c)

Sol.

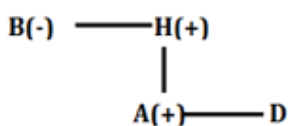


S27. Ans.(d)

S28. Ans.(d)

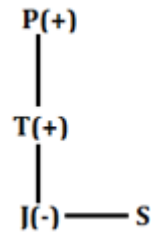
S29. Ans.(b)

Sol.



S30. Ans.(d)

Sol.



S31. Ans.(e)

Sol.

Words	Codes
Save	<u>ze</u>
Money	<u>ka</u>
Should	lo
They	<u>ni</u>
Better	so
Some	<u>gi</u>
Made	<u>fe</u>
Be	da
Grace	we

S32. Ans.(a)

Sol.

Words	Codes
Save	<u>ze</u>
Money	<u>ka</u>
Should	lo
They	<u>ni</u>
Better	so
Some	<u>gi</u>
Made	<u>fe</u>
Be	da
Grace	we

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S33. Ans.(d)

Sol.

Words	Codes
Save	<u>ze</u>
Money	<u>ka</u>
Should	<u>lo</u>
They	<u>ni</u>
Better	<u>so</u>
Some	<u>gi</u>
Made	<u>fe</u>
Be	<u>da</u>
Grace	<u>we</u>

S34. Ans.(a)

Sol.

Words	Codes
Save	<u>ze</u>
Money	<u>ka</u>
Should	<u>lo</u>
They	<u>ni</u>
Better	<u>so</u>
Some	<u>gi</u>
Made	<u>fe</u>
Be	<u>da</u>
Grace	<u>we</u>

S35. Ans.(b)

Sol.

Words	Codes
Save	<u>ze</u>
Money	<u>ka</u>
Should	<u>lo</u>
They	<u>ni</u>
Better	<u>so</u>
Some	<u>gi</u>
Made	<u>fe</u>
Be	<u>da</u>
Grace	<u>we</u>

S36. Ans.(d)

Sol.

Words	Codes
Salad	<u>oh</u>
Half	<u>oe</u>
Harm	<u>wv</u>
Later	<u>co</u>
Declare	<u>ve</u>
Capital	<u>ie</u>
Park	<u>fe</u>
Gather	<u>ee</u>
Task/calculate	<u>Ae/ye</u>

S37. Ans.(d)

Sol.

Words	Codes
Salad	<u>oh</u>
Half	<u>oe</u>
Harm	<u>wv</u>
Later	<u>co</u>
Declare	<u>ve</u>
Capital	<u>ie</u>
Park	<u>fe</u>
Gather	<u>ee</u>
Task/calculate	<u>Ae/ye</u>

S38. Ans.(b)

Sol.

Words	Codes
Salad	<u>oh</u>
Half	<u>oe</u>
Harm	<u>wv</u>
Later	<u>co</u>
Declare	<u>ve</u>
Capital	<u>ie</u>
Park	<u>fe</u>
Gather	<u>ee</u>
Task/calculate	<u>Ae/ye</u>

S39. Ans.(c)

Sol.

Words	Codes
Salad	<u>oh</u>
Half	<u>oe</u>
Harm	<u>wv</u>
Later	<u>co</u>
Declare	<u>ve</u>
Capital	<u>ie</u>
Park	<u>fe</u>
Gather	<u>ee</u>
Task/calculate	<u>Ae/ye</u>

S40. Ans.(d)

Sol.

Words	Codes
Salad	<u>oh</u>
Half	<u>oe</u>
Harm	<u>wv</u>
Later	<u>co</u>
Declare	<u>ve</u>
Capital	<u>ie</u>
Park	<u>fe</u>
Gather	<u>ee</u>
Task/calculate	<u>Ae/ye</u>

S41. Ans.(d)

Sol.

Words	Codes
Assignment	<u>jc</u>
White	<u>sc</u>
Need	<u>lc</u>
Paper	<u>tc</u>
Safety	ta
Sample	no
Waste	Or
Warm/sale	<u>rv/uv</u>

S42. Ans.(d)

Sol.

Words	Codes
Assignment	<u>jc</u>
White	<u>sc</u>
Need	<u>lc</u>
Paper	<u>tc</u>
Safety	ta
Sample	no
Waste	Or
Warm/sale	<u>rv/uv</u>

S43. Ans.(b)

Sol.

Words	Codes
Assignment	<u>jc</u>
White	<u>sc</u>
Need	<u>lc</u>
Paper	<u>tc</u>
Safety	ta
Sample	no
Waste	Or
Warm/sale	<u>rv/uv</u>

S44. Ans.(c)

Sol.

Words	Codes
Assignment	<u>jc</u>
White	<u>sc</u>
Need	<u>lc</u>
Paper	<u>tc</u>
Safety	ta
Sample	no
Waste	Or
Warm/sale	<u>rv/uv</u>

S45. Ans.(e)

Sol.

Words	Codes
Assignment	<u>jc</u>
White	<u>sc</u>
Need	<u>lc</u>
Paper	<u>tc</u>
Safety	ta
Sample	no
Waste	Or
Warm/sale	<u>rv/uv</u>

S46. Ans.(d)

Sol.

Word	Code
Inside	le
Result	me
Happy	ue
Spirit	ae
Picture	te
Down	ge
Morning	de
Good	ce
Win/Spark	ye/we

S47. Ans.(b)


Sol.

Word	Code
Inside	le
Result	me
Happy	ue
Spirit	ae
Picture	te
Down	ge
Morning	de
Good	ce
Win/Spark	ye/we

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S48. Ans.(a)

Sol.

Word	Code
Inside	le
Result	me
Happy	ue
Spirit	ae
Picture	te
Down	ge
Morning	de
Good	ce
Win/Spark	ye/we

S49. Ans.(c)

Sol.

Word	Code
Inside	le
Result	me
Happy	ue
Spirit	ae
Picture	te
Down	ge
Morning	de
Good	ce
Win/Spark	ye/we

S50. Ans.(c)

Sol.

Word	Code
Inside	le
Result	me
Happy	ue
Spirit	ae
Picture	te
Down	ge
Morning	de
Good	ce
Win/Spark	ye/we

S51. Ans.(e)

Sol.

Words	Codes
In	pu
Idea	jo
The	su
Only	na
Logical	ri
Order	ve
Serial	to
State	li
Or/theory	zt/bk

S52. Ans.(c)

Sol.

Words	Codes
In	pu
Idea	jo
The	su
Only	na
Logical	ri
Order	ve
Serial	to
State	li
Or/theory	zt/bk

S53. Ans.(e)

Sol.

Words	Codes
In	pu
Idea	jo
The	su
Only	na
Logical	ri
Order	ve
Serial	to
State	li
Or/theory	zt/bk

S54. Ans.(c)

Sol.

Words	Codes
In	pu
Idea	jo
The	su
Only	na
Logical	ri
Order	ve
Serial	to
State	li
Or/theory	zt/bk

S55. Ans.(e)

Sol.

Words	Codes
In	pu
Idea	jo
The	su
Only	na
Logical	ri
Order	ve
Serial	to
State	li
Or/theory	zt/bk

S56. Ans.(c)

Sol.

Words	Code
Study	dy
Rent	rt
Is	si
Room	rm
Book	bk
High	gh
More	me
Pay	yp
work/hard	wk/hd

S57. Ans.(c)

Sol.

Words	Code
Study	dy
Rent	rt
Is	si
Room	rm
Book	bk
High	gh
More	me
Pay	yp
work/hard	wk/hd

S58. Ans.(d)

Sol.

Words	Code
Study	dy
Rent	rt
Is	si
Room	rm
Book	bk
High	gh
More	me
Pay	yp
work/hard	wk/hd

S59. Ans.(b)

Sol.

Words	Code
Study	dy
Rent	rt
Is	si
Room	rm
Book	bk
High	gh
More	me
Pay	yp
work/hard	wk/hd

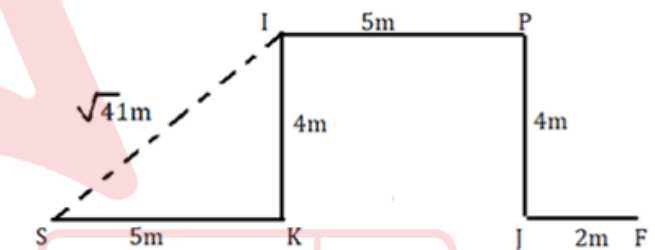
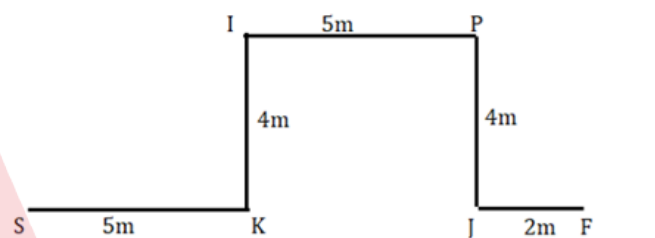
S60. Ans.(e)

Sol.

Words	Code
Study	dy
Rent	rt
Is	si
Room	rm
Book	bk
High	gh
More	me
Pay	yp
work/hard	wk/hd

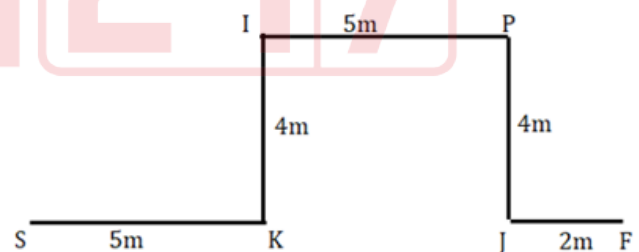
S61. Ans.(d)

Sol.



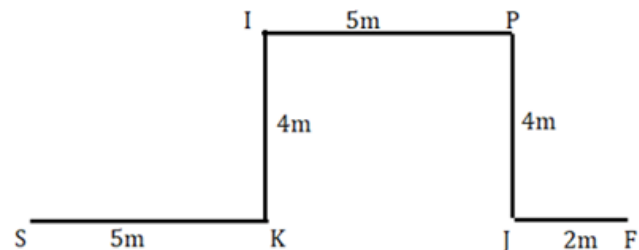
S62. Ans.(a)

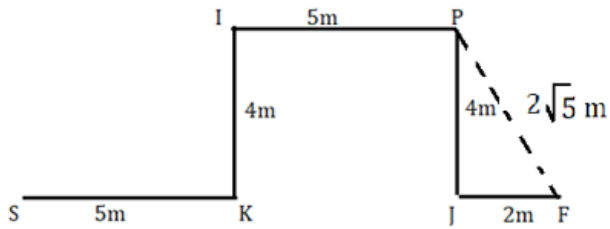
Sol.



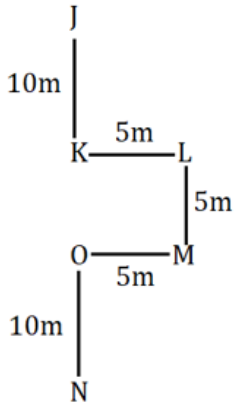
S63. Ans.(c)

Sol.

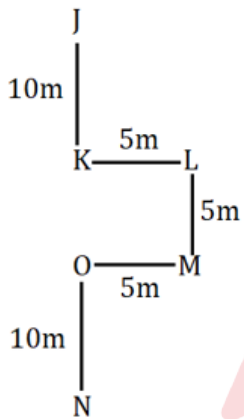




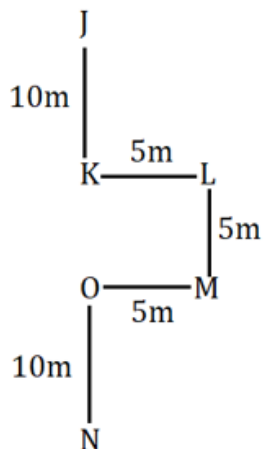
S64. Ans.(e)
Sol.



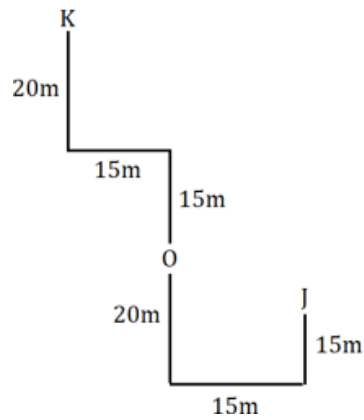
S65. Ans.(a)
Sol.



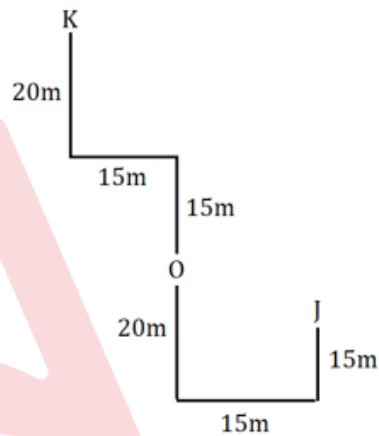
S66. Ans.(b)
Sol.



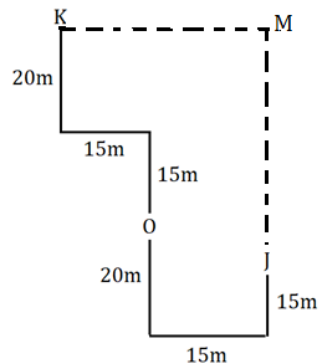
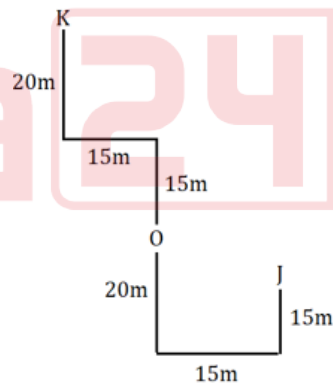
S67. Ans.(a)
Sol.



S68. Ans.(d)
Sol.

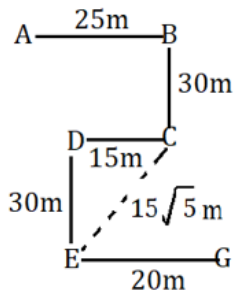
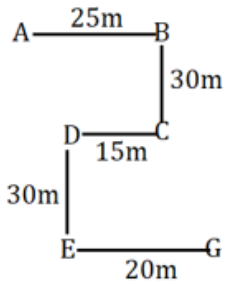


S69. Ans.(a)
Sol.



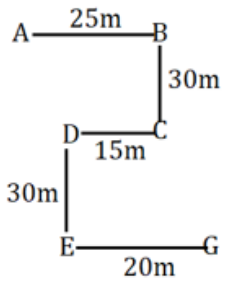
S70. Ans.(d)

Sol.



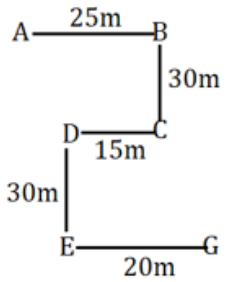
S71. Ans.(c)

Sol.

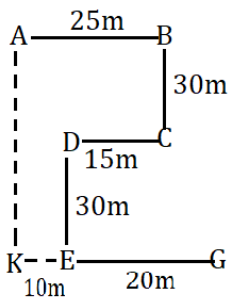


S72. Ans.(e)

Sol.

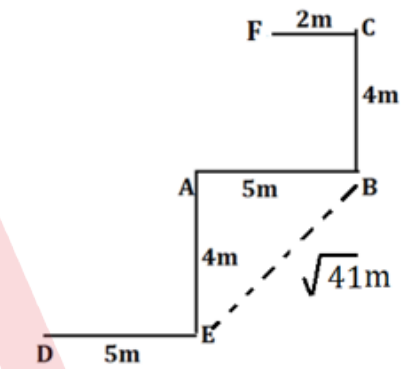
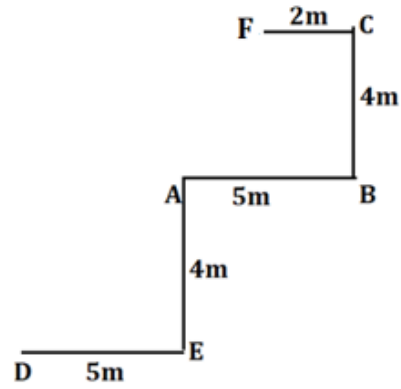


Distance is 30m



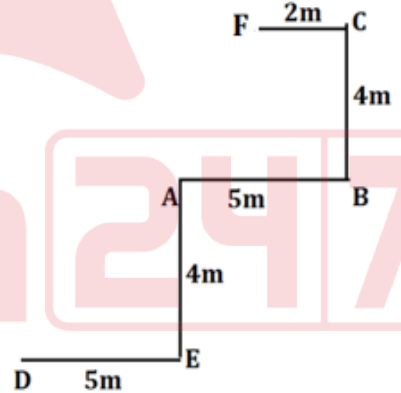
S73. Ans.(a)

Sol.



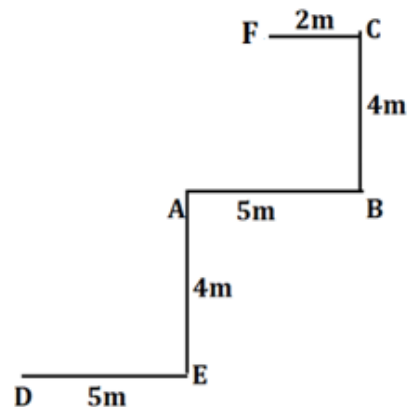
S74. Ans.(b)

Sol.



S75. Ans.(c)

Sol.



S76. Ans.(a)

Sol. I. $G \geq A$ (False) II. $B < E$ (True)

S77. Ans.(b)

Sol. I. $H > J$ (True) II. $I > S$ (False)

S78. Ans.(b)

Sol. I. $J > O$ (False) II. $J = T$ (False)

S79. Ans.(d)

Sol. I. $R < T$ (False) II. $N \leq R$ (False)

S80. Ans.(c)

Sol. I. $Q \leq F$ (False) II. $F > Q$ (False)

S81. Ans.(e)

Sol. I. $U > W$ - True
II. $C > Q$ - True

S82. Ans.(b)

Sol. I. $W < T$ - False
II. $T < I$ - True

S83. Ans.(b)

Sol. I. $J \leq Y$ - False
II. $E < P$ - True

S84. Ans.(a)

Sol. I. $T > U$ - True
II. $T = U$ - False

S85. Ans.(a)

Sol. I. $J > L$ - True
II. $K < L$ - False

S86. Ans.(c)

Sol. I. $L < S$ - False
II. $L = S$ - False

S87. Ans.(c)

Sol. I. $Q < U$ - False
II. $Q = U$ - False

S88. Ans.(a)

Sol. I. $P < J$ - True
II. $E \geq C$ - False

S89. Ans.(a)

Sol. I. $T > S$ - True
II. $V > P$ - False

S90. Ans.(d)

Sol. I. $C > D$ - False
II. $F > Q$ - False

S91. Ans.(b)

Sol.

$\frac{T}{160\text{cm}} \quad \frac{O}{80\text{cm}} \quad \frac{Q}{80\text{cm}} \quad \frac{P}{80\text{cm}} \quad \frac{M}{80\text{cm}} \quad \frac{R}{80\text{cm}} \quad \frac{N}{80\text{cm}} \quad \frac{S}{80\text{cm}}$

S92. Ans.(c)

Sol.

$\frac{T}{160\text{cm}} \quad \frac{O}{80\text{cm}} \quad \frac{Q}{80\text{cm}} \quad \frac{P}{80\text{cm}} \quad \frac{M}{80\text{cm}} \quad \frac{R}{80\text{cm}} \quad \frac{N}{80\text{cm}} \quad \frac{S}{80\text{cm}}$

S93. Ans.(b)

Sol.

$\frac{T}{160\text{cm}} \quad \frac{O}{80\text{cm}} \quad \frac{Q}{80\text{cm}} \quad \frac{P}{80\text{cm}} \quad \frac{M}{80\text{cm}} \quad \frac{R}{80\text{cm}} \quad \frac{N}{80\text{cm}} \quad \frac{S}{80\text{cm}}$

S94. Ans.(b)

Sol.

$T > U > L > J > K > W > V$
 $69\text{kg} \quad 50\text{kg}$

S95. Ans.(c)

Sol.

$T > U > L > J > K > W > V$
 $69\text{kg} \quad 50\text{kg}$

S96. Ans.(a)

Sol.

$T > U > L > J > K > W > V$
 $69\text{kg} \quad 50\text{kg}$

S97. Ans.(e)

Sol.

Abhay > Praveen > Karan (98) > Bipin > Jai > Raj/Sahil > Raj/Sahil

S98. Ans.(b)

Sol.

Abhay > Praveen > Karan (98) > Bipin > Jai > Raj/Sahil > Raj/Sahil

S99. Ans.(d)

Sol.

Abhay > Praveen > Karan (98) > Bipin > Jai > Raj/Sahil > Raj/Sahil

S100. Ans.(d)

Sol.

$L > N > P > O > J/K > K/J > M$
 $48\text{cm} \quad 13\text{cm}$