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

Ten persons are sitting in two parallel rows containing five persons each in such a way that there is an equal distance between adjacent persons. In the first row, A, B, C, D and E are seated and all of them are facing south. In the 2nd row, P, Q, R, S and T are seated and all of them are facing north. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row. S sits third to the left of P. A faces an immediate neighbor of S. Only one person sits between C and A. Only one person sits between B and D. Q and T are immediate neighbors. T does not face A and B. the one who sits second to the right of E faces Q.

Q1. How many persons are seated between B and E?

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

Q2. Who amongst the following faces D?

- (a) P
- (b) Q
- (c) R
- (d) S
- (e) T

Q3. Which of the following is true regarding Q?

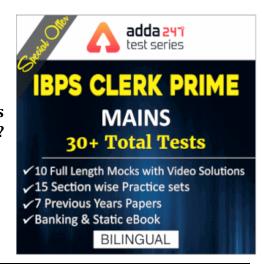
- (a) P and R are immediate neighbor of Q.
- (b) Q sits at one of the extreme ends of the line.
- (c) E is an immediate neighbor of the person who is facing Q.
- (d) S sits on the immediate left of Q.
- (e) None of these

Q4. Who amongst the following may be sitting exactly in the middle of the rows?

- (a) A and T
- (b) D and S
- (c) D and P
- (d) P and C
- (e) A and Q

Q5. Four of the following five are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

- (a) B
- (b) D
- (c) Q
- (d) R
- (e) S



Directions (6-8): In each question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Q6. Statements: In a one day cricket match, the total runs made by a team were 200. Out of these 160 runs were made by spinners.

Conclusions:

- **I.** 80% of the team consists of spinners.
- **II.** The opening batsmen were spinners.
- (a) If only conclusion I follow.
- (b) If only conclusion II follows.
- (c) If either I or II follows.
- (d) If neither I nor II follows
- (e) If both I and II follow
- **Q7. Statement:** The government run company had asked its employees to declare their income and assets but it has been strongly resisted by employees union and no employee is going to declare his income.

Conclusions:

- I. The employees of this company do not seem to have any additional undisclosed income besides their salary.
- II. The employee's union wants all senior officers to declare their income first.
- (a) If only conclusion I follow.
- (b) If only conclusion II follows.
- (c) If either I or II follows.
- (d) If neither I nor II follows
- (e) If both I and II follow
- **Q8. Statement:** The Official Secrets Act (O.S.A) enacted by the XYZ Government during the war seems to be the source of much corruption in the country 'P'.

Conclusions:

- I. The Official Secrets Act has to be abolished immediately to stop corruption in country 'P'.
- **II.** The XYZ government wanted to encourage corruption in the government Offices.
- (a) If only conclusion I follow.
- (b) If only conclusion II follows.
- (c) If either I or II follows.
- (d) If neither I nor II follows
- (e) If both I and II follow

Q9. Statement: The government is likely to put some money in your bank account every month by deducting a portion of the subsidy each family receives through various government welfare schemes and putting an equivalent amount of cash in the account of the beneficiary.

Which of the following has been **assumed** in the above statement? (An assumption is something that is not directly stated but is supposed or taken for granted.)

- (a) Demand for goods and services will go up.
- (b) Subsidy pilferage will stop.
- (c) There will be a decrease in corruption.
- (d) Banks' profit will increase.
- (e) Bank account holders will maintain a minimum balance in their accounts.

Q10. Basmati rice exporters are gearing up to top the market in China which recently decided to allow imports from India.

Which of the following can be a possible assumption in the given statement? (An assumption is something supposed or taken for granted)

- (a) Exporters believe, it may take a couple of years to develop this new market, which largely consumes the glutinous sticky rice.
- (b) China presents a new market for Indian exporters, who have seen a surge in volumes of basmati in recent years.
- (c) China's market has monopoly in competition market.
- (d) Basmati rice is high in demand all over the world.
- (e) None of these.

Directions (11-15): The following questions are based on the five three – digit numbers given below:

789 876 887 998 356

Q11. If 3 is added to the second digit of each of the numbers how many numbers thus formed will be divisible by three?

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

Q12. If all the digits in each of the numbers are arranged in descending order within the number, which of the following will be the highest number in the new arrangement of numbers?

- (a) 789
- (b) 876
- (c)887
- (d) 356
- (e) none of these

Q13. What will be the resultant number if the second digit of the second lowest number is divided by the third digit of the highest number?
(a) 2
(b) 3
(c) 0
(d) 1
(e) 4

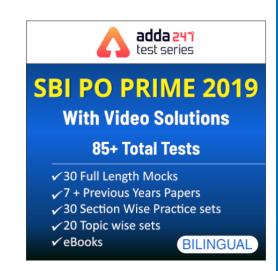
- Q14. If 3 is subtracted to the first digit and 1 is added to the last digit of each of the numbers then which of the following numbers will be the second highest number?
- (a) 789
- (b) 876
- (c)887
- (d) 356
- (e) 998
- Q15. If in each number the first and the third digits are interchanged then which will be the highest number?
- (a) 789
- (b) 876
- (c)887
- (d) 356
- (e) 998

Directions (16-20): Study the following information carefully and answer the given questions:

In a certain code language-'white is very bad' is written as 'la ta ja sa', 'cold drinks are white' is written as 'ja pa ra da' 'coffee is very cold' is written as 'da ta fa la'

Q16. What is the code for 'bad'?

- (a) sa
- (b) da
- (c) ja
- (d) la
- (e) None of these
- Q17. 'white cold coffee' can be coded as?
- (a) sa ja ra
- (b) fa ja da
- (c) da ra at
- (d) None of these
- (e) Can't be determined



Q18. What is the code for 'drinks'? (a) ra (b) pa (c) Either ra or pa (d) da (e) None of these Q19. Which of the following is the code for 'coffee'?

- (a) ta
- (b) da
- (c) la
- (d) fa
- (e) None of these

Q20. What does 'ta' stand for?

- (a) white
- (b) bad
- (c) coffee
- (d) cold
- (e) None of these

Directions (21-25): Study the following information carefully to answer the questions given below.

Eight persons namely K, P, I, N, O, L, M and J sits in two parallel rows sits opposite to each other. Four persons sits in each row. In row-1, K, P, I, N are sitting and all are facing south direction. In row-2 O, L, M, J are sitting and all are facing north direction. J sits second to the right of L, who sits opposite to the one, who is immediate neighbour of I. N sits second to the left of P. P does not sit extreme end of the line. M does not sits opposite to K. O is not neighbor of J

Q21. Who sits opposite to P?

- (a) 0
- (b) I
- (c) L
- (d) M
- (e) None of these

Q22. Who sits second to the right of I?

- (a) P
- (b) N
- (c) 0
- (d) K
- (e) None of these

Q23. Four of the following are alike in a certain way, then which of the following does not follow the same pattern?

- (a) N
- (b) I
- (c) K
- (d) 0
- (e) J

Q24. Who sits opposite to I?

- (a) N
- (b) M
- (c) 0
- (d) P
- (e) None of these

Q25. Who is immediate neighbour of O?

- (a) K
- (b) M
- (c) L
- (d) J
- (e) None of these

Directions (26-30): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement are sufficient to answer the question. Read both the statements and Give answer:

Q26. In a certain code language 'fi ku le ja' means 'Indian Cricket Premier League'. Then what is the code of 'league'? If,

I. In the given code language 'Premier league shifted venue' is written as 'le hi nu ku'.

II. In the given code language 'league venue cricket pune' is written as 'nu le fi un'.

(a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statements I and II together are necessary to answer the question.



Q27. How is N related to D?

- **I.** N is the only child of R. D is father of M, who is brother-in-law of S. P is the brother of M. M is married to R. P is unmarried.
- **II.** D is married to A. P is the son of N. Q is brother of M. N is married to M. Q is the only male child of A. S is the sister of N. A is a male
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statements I and II together are necessary to answer the question.

Q28. On which of the following day of the week (starting from Monday and ends on Sunday) match of CSK is scheduled?

- **I.** Dhoni captain of CSK completely remembers that match is scheduled after Wednesday but not on Sunday.
- **II.** Jadeja correctly remembers that the match is scheduled before Friday but after Monday.
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statements I and II together are necessary to answer the question.

Q29. Some persons i.e. P, Q, A, C, M, D and S are sitting in a row such that all are facing in the north direction, who among the following sits on the right end of the row?

- **I.** Q sits third to the left of D and both does not sit at the end of the row. S sits fourth to the right of A and one of them sits at the end of the row. C sit third to the right of P. M is not the immediate neighbour of D.
- **II.** D sits second to right of Q. One of the immediate neighbour of D sits fifth to the right of M. S sits second to the right of A. Neither P nor C sits at the end of the row. Neither P nor C are the immediate neighbours of each other.
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statements I and II together are necessary to answer the question.

Q30. How many people are sitting around the circle (all are facing inside)?

- **I.** Z is sitting third to the right of C, who is sitting third to the right of A. Three persons are sitting in between F and Z.
- **II.** Two persons are sit in between A and F who is sitting second to the right of Z. C is sitting third right of A and Three person sit between Z and C.
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statements I and II together are necessary to answer the question.

Directions (31-33): Study the following information carefully and answer the questions given below:

Akash starts walking towards north direction from point A. After walking 4km he reached point B then turns towards his left and walks 5km to reach point C. Then he turns towards his right and walks 4km to reach point D. Rahul starts walking from point E, which is mid-point of AB. Then he walks 4km towards east direction and reached point F. From there he turned towards his left and walks 4km and reached point G. From point G he turns towards his left and walk 4km to reach point H.

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Q31. What is the direction of point B with respect to point G?

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

Q32. Which of the following points are inline after joining them all together?

- (a) ADC
- (b) CDF
- (c) BEH
- (d) BCG
- (e) AFD

Q33. What is the shortest distance between point D and H?

- (a) $3\sqrt{2}$ km
- (b) $\sqrt{17}$ km
- (c) $\sqrt{13}$ km
- (d) $\sqrt{29}$ km
- (e) None of these

Directions (34-35): Study the given information carefully to answer the given question below.

In a family of three generations, there are three married couples and seven persons. S is the sister-in-law of U. Q is the mother of T. P is the grandchild of R. X is the aunt of P. R has only two sons and no daughter. R is married to Q. U is not the father of P.

Q34. Who is the mother of P?

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

Q35. How is X related to R?

- (a) Son
- (b) Son-in-law
- (c) Granddaughter
- (d) Daughter-in-law
- (e) None of these

Directions (36-40): A word arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement:

Input: Krishna 32 Book 39 Ice 91 Invite 47 63 Mango 25 GO

Step I: 92 Go Krishna 32 Book 39 Ice Invite 47 63 Mango 25

Step II: 64 Ice 92 Go Krishna 32 Book 39 Invite 47 Mango 25

Step III: 48 Book 64 Ice 92 Go Krishna 32 39 Invite Mango 25

Step IV: 40 Mango 48 Book 64 Ice 92 Go Krishna 32 Invite 25

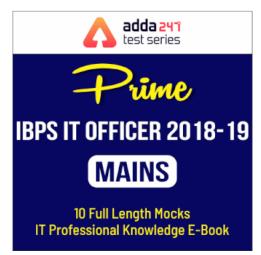
Step V: 33 Invite 40 Mango 48 Book 64 Ice 92 Go Krishna 25

Step VI:26 Krishna 33 Invite 40 Mango 48 Book 64 Ice 92 Go

Input: Mid 39 Apple 56 Good 59 Orange 35 Beautiful 76 Naughty 91

Q36. If "60 Apple 77 Good 92 Mid 39 56 Orange 35 Beautiful Naughty" is step 3 then how many more steps are required to reach on final output?

- (a) 5 steps more
- (b) 6 steps more
- (c) 4 steps more
- (d) 3 steps more
- (e) None of these



Q37. which step of the following step "40 Naughty 57 Orange 60 Apple 77 Good 92 Mid 35 Beautiful".

- (a) Step III
- (b) Step IV
- (c) Step V
- (d) This step is not possible
- (e) None of these

Q38. If "77 Good 92 Mid 39 Apple 56 67 Orange 35 Beautiful Naughty" is the step 2 of an input. Find out the step I from this step.

- (a) 92 Mid39 Apple 56 Good 67 Orange 35 Beautiful 76 Naughty
- (b) 92 Mid39 Apple 56 Beautiful 76 Naughty Good 67 Orange 35
- (c) 92 Mid 67 Orange 35 Beautiful 76 Naughty 39 Apple 56 Good
- (d) Can't be determined
- (e) None of these

Q39. Which word/ number would be at the seventh position from the left end in the final step?

- (a) 57
- (b) Apple
- (c) 60
- (d) Orange
- (e) None of these

Q40. In which step the element '92 Mid 39 35' found in the same order?

- (a) 3rd step
- (b) 4th step
- (c) 5th step
- (d) 6th step
- (e) None of these

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

P, Q, R, S, I, J, K and L are sitting around a square table in such a way that four of them sit at four corners of the square while four sits in the middle of each of the four sides. The ones who sit at the four corners face the centre while those who sit in the middle of the sides face outside.

Two females sit in the middle of the sides and two at the corners. P sits second to the left of K. K sits in the middle of one of the sides. R sits fourth to the right of his wife and his wife is not an immediate neighbour of P or K. Q sits third to the right of her husband. Q does not sit at any of the corners. Only S sits between Q and L. L is the husband of P. I is a male.

Q41. Who amongst the following is Q's husband?

- (a) R
- (b) L
- (c) I
- (d) I
- (e) cannot be determined

Q42. How many people sit between Q and R when counted in anti-clockwise direction from Q?

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

Q43. Which of the following is true with respect to the given seating arrangement?

- (a) No two males are immediate neighbours of each other
- (b) K and L are immediate neighbours of each other
- (c) I and S are immediate neighbours of each other
- (d) J is a male and sits diagonally opposite to I
- (e) P sits in the centre of one of the sides of the square table

Q44. Who amongst the following is the wife of R?

- (a) S
- (b) J
- (c) Q
- (d) P
- (e) cannot be determined

Q45. What is the position of I with respect to R?

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



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

There are certain number of persons sitting in a row facing north. E sits sixth to the right of G who likes Lemon Juice. Only two persons sit between E and J. One of the immediate neighbour of G Likes Guava Juice. K sits second to the left of J. Only one person sits in between the one who like Guava Juice and the one who like Mix Juice. M sits eight to left of K. Only two persons sit between the one who likes Mix Juice and the one who likes Apple juice. More than 11 persons sit in the row. S sit third to the left of F who is an immediate neighbour of K. Neither S nor K like Mix Juice. The one who sits seventh to the left of the one who likes Apple Juice, likes Orange Juice. M likes Grapefruit Juice and F likes Mango Juice. Only the person mentioned likes juices.

Q46. If 'E' sits third from the right end then how many persons are sitting in the row?

- (a) 14
- (b) 12
- (c) 16
- (d) 15
- (e) None of these

Q47. Who among the following like Orange Juice?

- (a) F
- (b) S
- (c) E
- (d) J
- (e) None of these

Q48. If 'R' sits exactly between M and S then what is the position of 'R' with respect to G?

- (a) Fifth to the left
- (b) sixth to the right
- (c) fourth to the left
- (d) fifth to the right
- (e) None of these

Q49. If 'P' sits second to the right of the one who likes Mix Juice, then how many persons sit between P and the one who likes Mango Juice?

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

Q50. How many total number of persons are sitting in the row?

- (a) 14
- (b) 12
- (c) 13
- (d) 11
- (e) None of these



Directions (51-52): Study the following information carefully and answer the given questions.

K, L, M, N, O are five persons of a three generation family. There are only two females and two married couples in the family. L is the daughter-in-law of K. N is the child of M, who is the son of O. O is not the father of M.

Q51. How N is related to K?

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



Q52. If X is sibling of N and O has only one grandson, then how is X related to M?

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

Q53. A, B, C, D, E, F are members of a family. C is married to D, who is brother-in law of A. E has an maternal aunt, who is married to A. F is a brother of E, who is daughter of D. How is D related to E's maternal aunt?

- (a) sister
- (b) sister-in-law
- (c) brother-in law
- (d) brother
- (e) can't be determined

Q54. Pointing towards a man Ritu said "he is brother of her only son's nephew". How is Ritu related to the man?

- (a) mother
- (b) sister
- (c) grandmother
- (d) aunt
- (e) none of these

Q55. L is the father of M who is the broth<mark>er in law of C. C i</mark>s husband of H. F is the only brother of D who is the daughter of H. K is the mother of M and has only one daughter and one son. M is unmarried. Then how is D related to L?

- (a) Maternal Granddaughter
- (b) Maternal Grandson
- (c) Father
- (d) Brother
- (e) None of these

Directions (56-60): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements. Give answer:

Q56. How is 'hard' written in a code language?

- I. 'hard and work improve' is written as 'cl sa nk jo', and 'India increase in rank' is written as 'ha fa rs da', II. 'hard improve in India' is written as 'cl fa jo da'
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question
- (d) If the data in both statements I and II together are not sufficient to answer the question
- (e) If the data in both statements I and II together are necessary to answer the question

Q57. A is in which direction with respect to B?

- I. C is towards west of E and south of B.
- II. A is towards south-west of E and south of C.
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question
- (d) If the data in both statements I and II together are not sufficient to answer the question
- (e) If the data in both statements I and II together are necessary to answer the question

Q58. How is Pawan related to Raman?

- **I.** Pawan is the grandson of Raman's father.
- II. Raman has no sister.
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question
- (d) If the data in both statements I and II together are not sufficient to answer the question
- (e) If the data in both statements I and II together are necessary to answer the question

Q59. In which direction is car A with respect to car D?

- **I.** Car D is in south of car B, which is in west of car C.
- **II.** Car A is in south-east of car B.
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question
- (d) If the data in both statements I and II together are not sufficient to answer the question
- (e) If the data in both statements I and II together are necessary to answer the question

Q60. In which year was Pratibha born?

- **I.** Pratibha at present is 25 years younger to her mother.
- **II.** Pratibha's brother, who was born in 1999, is 20 years younger to his mother.
- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question
- (d) If the data in both statements I and II together are not sufficient to answer the question
- (e) If the data in both statements I and II together are necessary to answer the question

Directions (61-65): Study the following information carefully and answer the given questions.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement.

Input: 29 quora 48 diagnose 45 maths 38

Step 1: quora 48 diagnose 45 maths 38 29

Step 2: quora diagnose 48 45 maths 29 38

Step 3: quora diagnose maths 45 29 38 48

Step 4: quora diagnose maths 29 38 48 45

And step 4 is the last step of the above input. As per the rules followed in the above step, find out the appropriate step for the given output.

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INPUT: according 79 summer 38 juncture 19 omi 26

Q61. Which element is exactly between the fourth from left and third from right in step IV?

- (a) 79
- (b) 26
- (c)38
- (d) 19
- (e) None of these

Q62. Which step number would be the following output?

"Juncture summer according omi 79 19 38 26"

- (a) Step III
- (b) Step IV
- (c) Step I
- (d) Step II
- (e) None of the Above

Q63. What is the position of 'omi' in the step 3?

- (a) Seventh from the right
- (b) Sixth from the left
- (c) Fourth from the right
- (d) Fourth from the left
- (e) None of these

Q64. In step II, what is the sum of 7th element and 8th element from left end?

- (a) 56
- (b) 45
- (c)57
- (d) 54
- (e) None of these



Q65. Which of the following element would be at the third position from the left end in step III?

- (a) juncture
- (b) 79
- (c) according
- (d) 26
- (e) None of these

Directions (66-70): Read the following passage carefully and answers the questions given below it—

Eight friends A, B, C, D, E, F, G and H like different fruits – Banana, Guava, Cherry, Apple, Orange, Grapes, Mango and Watermelon. All of them are seated around a square table (two on each side) facing the center. C sits third to the right of B. B likes Cherry. G is sitting second to the left of F. F is not an immediate neighbor of C and B. The one who likes Banana in an immediate neighbor of F. Three people sit between B and the person who likes Grapes. B, C and also their immediate neighbours do not like Apple. Only one person sits between the person who likes Apple and D. The persons who like Orange and Watermelon are immediate neighbor of each other. C likes neither Watermelon nor Orange. Only one person sits between A and the person who likes Guava. A does not like Apple and Orange. E does not like Apple.

Q66. Which of the following is true regarding G?

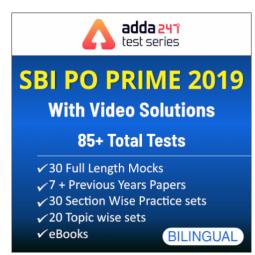
- (a) G likes Guava
- (b) H and D are immediate neighbors of G
- (c) One person sits between G and the person who likes Watermelon
- (d) G sits second to the right of A
- (e) None of these

Q67. Who amongst the following does like Orange?

- (a) C
- (b) G
- (c) D
- (d) E
- (e) Cannot be determined

Q68. How many persons sit between H and the person who likes Watermelon, when counted from the left-hand side of the person who likes Watermelon?

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



Q69. Which of the following is true?

- (a) Only one person is sitting between the person who likes Watermelon and Mango.
- (b) H likes Apple.
- (c) The person who likes Orange is an immediate neighbor of B.
- (d) One person sits between B and the person who likes Apple.
- (e) None is true

Q70.Who amongst the following represent immediate neighbor of D?

- (a) A, E
- (b) F and the person who likes Apple
- (c) B and the person who likes Mango
- (d) F, G
- (e) A, H

Directions (71-74): In each of the questions given below, a group of digits is given followed by some combinations of letters. You have to find out which of given combinations correctly represents the group of digits based on the numbers/symbols codes and the conditions given below. If none of the given combinations represents the group of digits correctly, give (E) i.e. 'None of these' as the answer.

Letter	М	K	Н	R	В	N	Е	Т	D	J	I	Α	Q	F	P
Digit/symbol	8	1	(O	2	#	£	7	9	@	6	%	3	4	\$	✡

Conditions:

- (1) If the first and the last letters are consonants, both are to be coded as the code for the first letter.
- (2) If the first letter is a consonant and the last letter is as vowel their codes are to be interchanged.
- (3) If both the first and the last letters are vowels, both are to be coded as the last letter.

Q71. TABDRE

- (a) 93#2@7
- (b) 73#@29
- (c) 93#@27
- (d) 73#@27
- (e) None of these

Q72. QHFKAN

- (a) 4©\$134
- (b) 4@\$138
- (c) £©\$134
- (d) 4©1\$34
- (e) None of these

Q73. IAJEPI

- (a) \$\pi\% 367\$
- (b) %367% \$
- (c) %367\$%
- (d) 6%367\$
- (e) None of these



Q74. NRJTBP

- (a) £26#9@
- (b) £%269£
- (c) £962#©
- (d) £269#£
- (e) None of these

Q75. Study the information carefully and answer the question given below.

Mark starts moving in the south direction from his house and after moving 25m, he took a right turn and move 40 m to reach his uncle house, again Mark start moving southwards and after travelling 50m he took a left and travels 80 m to reach his aunt home.

In which direction his aunt house is located with respect to his house?

- (a) south west
- (b) south east
- (c) north east
- (d) north west
- (e) None of these

Directions (76-80): In each question some statements are followed by some conclusions. You have to take the given statements to be true and then decide which of the conclusions logically follow from the give statements, disregarding the commonly known facts. Given answer-

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Q76. Statements:

Some apples are mangoes.

Some Mangoes are oranges.

No oranges is apples

Conclusions:

- **I.** Some mangoes that are oranges are apples.
- **II.** Some apple that are mangoes are oranges.
- (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 conclusion I and II follow.

Q77. Statements:

Some birds are animals.

All animals are black.

No black is a white.

Some white are birds.

Conclusions:

- **I.** Some birds which are black are not white.
- **II.** All animals which are black are necessarily birds.

- (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 conclusion I and II follow.

Q78. Statements:

All scooters are buses.

All bikes are buses.

some buses are trains.

Conclusions:

- **I.** All buses are either bikes or scooters.
- **II.** Some scooters are train is a possibility.
- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusion I and II follow.

Q79. Statements:

All apples which are red are tasty.

Most red are apples.

Some balls are red.

Most apples are balls.

Conclusions:

- I. Some red are tasty.

 II. Some apples are neither red nor ball.
- (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 conclusion I and II follow.

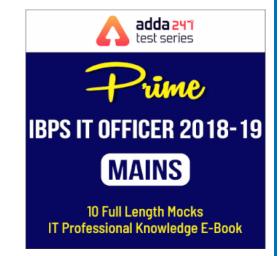
Q80. Statements:

All cups are plates.

Some plates are bowls.

Conclusions:

- **I.** Some bowls if they are cups, are also plates.
- **II.** All bowls which are not plates are also not cups.
- (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 conclusion I and II follow.



Directions (81-85): Study the following information carefully to answer the given questions:

Seven boxes S, P, L, Q, R, M and I are place one above the other in any particular order. Box no. 1 is at the bottom and box no. 7 is at the top. Three boxes placed between I and M. M placed on the place above S, which does not place on an odd-numbered place. P is neither placed on odd number place nor on topmost place. I does not placed on bottom place. Two boxes placed between R and S. Q placed neither on the bottom nor on the fourth place. Box M is not placed on top place.

Q81. Which box placed on just above M?

- (a) L
- (b) P
- (c) Q
- (d) R
- (e) None of these

Q82. How many boxes between L and P?

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

Q83. Which of the following pairs of boxes placed on bottom most and the topmost place respectively? adda 241

- (a) L, Q
- (b) Q, P
- (c) I, Q
- (d) L, I
- (e) Can't be determined

Q84. Which of the following box is placed on the topmost place?

- (a) I
- (b) Q
- (c) P
- (d) L
- (e) None of these

Q85. Which of the following combinations is true?

- (a) 1-S
- (b) 4-R
- (c) 3-M
- (d) 6-I
- (e) None of these



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Directions (86-90): Study the following arrangement carefully and answer the questions given below:
Z 7 1 £ 9 \$ A W K + 8 E L 3 = F 6 1 M 2 * B % O C < 5 U δ T
Q86. If all consonants in the above arrangement are dropped, which of the following will be the fifth from the right end? (a) 0
(b) \$
(c) %
(d) A
(e) None of these
Q87. How many such consonants are there in the above arrangement each of which is immediately preceded by symbol but not immediately followed by a vowel?
(a) None
(b) One
(c) Two
(d) Three
(e) More than three
Q88. Which of the following is the tenth to the left of the eighteenth element from the left end of the above arrangement? (a) % (b) B (c) K (d) I (e) W
Q89. How many such vowels are there in the above arrangement each of which is immediately followed by symbol but not immediately preceded by a number?
(a) None (b) One
(c) Two
(d) Three
(e) None of these
Q90. Which of the following is exactly in the middle between A and M in the above arrangement? (a) E (b) L (c) = (d) 3

(e) None of these

Directions (91-95): Study the given information carefully to answer the given question.

J, K, L, M, N, O and G are seven different boxes of different colours i.e. Brown, Orange, Silver, Pink, Yellow, White and Green but not necessarily in the same order.

There are only three box between L and the box which is of Silver colour. The box which is of Green colour is immediately above L. The box which is of Pink colour is immediately above the box G. Only one box is there between K and N. Box K is above N. Neither box K nor J is of Yellow colour. J is not of orange colour. The Box which is of Brown colour is immediately above J. There are only two box between M and the box which is of Brown colour and Box M is above the Brown colour box. The Box which is of Silver colour is above M but not immediately above M.

Q91. How many box is/are there between M and G?

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

Q92. What is the colour of 'O'?

- (a) Green
- (b) Brown
- (c) Silver
- (d) Pink
- (e) Can't be determined.

Q93. Find the pair of colour and boxes which is not correct?

- (a) K-Pink
- (b) O-Silver
- (c) J-white
- (d) G-Brown
- (e) None of these

Q94. Which of the following condition is correct regarding yellow colour with respect to N?

- (a) There is one box between N and the Yellow colour box
- (b) N is immediately above of yellow colour box
- (c) The Yellow colour box is related to the box which is immediately above N
- (d) All of the above is true
- (e) None of the above is true.

Q95. Which of the following colour belongs to 'J'?

- (a) Brown
- (b) Pink
- (c) Yellow
- (d) Orange
- (e) None of these.

Q96. How many pairs of letters are there in the word (in forward direction) APPLICATION, each of which have as many letters between then in the word as they have between then in the English alphabet?

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

Q97. In a certain coding system, PAPER is written as PERPA and SUBJECT is written as JECTSUB, what should be the code for COUNCIL?

- (a) NCILCOU
- (b) LICNOUC
- (c) NCOUCIL
- (d) NLICUOC
- (e) NILCCOU

Q98. In a certain code language 'lu ja ka hu' means 'will you meet us', 'lu ka hu pa means 'will you sold us'. Then What is the code of 'meet' in this code language?

- (a) ja
- (b) lu
- (c) ka
- (d) hu
- (e) cannot be determined



Q99. In a certain code language COMBINE is written as XLNYRMV. How will TOWARDS be written in that code language?

- (a) FLDZIWJ
- (b) GLDZIWH
- (c) GLEZJWH
- (d) FLEZIWH
- (e) None of these

Q100. 37 girls are standing in a row facing the school building Ayesha is fifteenth from the left end. If she is shifted six places to the right what is her position from the right end?

- (a) 16th
- (b) 21st
- (c) 20th
- (d) 18th
- (e) None of these



Directions (101-105): Following questions are based on the information provided below:

'A × B' means 'A is mother of B'.

'A - B' means 'A is brother of B'.

'A + B' means 'A is sister of B'.

'A ÷ B' means 'A is father of B'.

Q101. What will come in place of question mark (?) if K is paternal grandmother of L? $K \times H + U$? I + L

- (a) +
- (b) ×
- (c) -
- (d) ÷
- (e) Either (b) or (d)

Q102. If the expression $M \times N + R \div T$ is true, then how is R related to M?

- (a) father
- (b) aunt
- (c) grandfather
- (d) sister
- (e) None of these

Q103. Which of the following means 'T' is son of 'Y'?

(a)
$$Y \div Q - T + R$$

(b)
$$T \div Q - Y - R$$

(c)
$$T \times M - R + Q$$

(d)
$$T + M \div Y + Q$$

(e) None of these

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Q104. If the expression M - Q - D \div F + C, then how is Q related to C?

- (a) father
- (b) aunt
- (c) uncle
- (d) sister
- (e) None of these

Q105. What will come in place of question mark (?) if Q is brother of R?

$Y \div Q$? T - R

- (a) +
- (b) ×
- (c) -
- (d) ÷
- (e) Either (b) or (d)

Directions (106-110): Study the following information carefully and answer the questions given below:

Eight persons M, N, O, P, Q, R, S and T are sitting around a circular table. They all belong to the same family. Among them there are three models, two Actors, two Yoga teachers and one Marathon runner. Each person has only one occupation. There are three married couples in the family and no unmarried female and Three generation in the family.

R is wife of P and mother of N and M. O is a female but not wife of M S, a grandson of P, sits exactly between O and M and only Q sits exactly between N and R. P has two children. S and T are children of Q and O respectively. Only one person sits between O and N but he is not T. N is not the immediate neighbour of S, who is not opposite to P. N does not sit opposite to a female. One of the sons of P is on immediate left of P. The person who is on the immediate left of S and the person who is on the immediate right of N are not models. The immediate neighbours of Q are neither an Actor nor a Model. T is a Marathon runner.

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Q106. What is the profession of N?

- (a) Yoga teacher
- (b) Model
- (c) Actor
- (d) Marathon runner
- (e) None of these

Q107. Who among the following is an Actor?

- (a) P
- (b) 0
- (c) T
- (d) Both (a) and (c)
- (e) Both (a) and (b)

Q108. Which of the following is different from the rest?

- (a) R
- (b) M
- (c) S
- (d) T
- (e) P

Q109. Which of the following two members sits adjacent to each other in the arrangement?

- (a) Q0
- (b) NT
- (c) TQ
- (d) SM
- (e) None of these



Q110. Who among the following is grandson of R?

- (a) M
- (b) 0
- (c) S
- (d) P
- (e) Q

Directions (111-113): Read the given information carefully and answer the given question.

B is 25 m south of A. C is 10 m east of B. D is 30 m north of C. E is 7 m east of D. X is 18 m south of E. M is 12 m south of X.

Q111. B is in which direction from Point D?

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

Q112. If Point W is 3 m to the north of A, then what is the distance between B and W?

- (a) 28 m
- (b) 15 m
- (c) 21 m
- (d) 24 m
- (e) 17 m

Q113. What is distance between B and M? 247

- (a) 17 m
- (b) 15 m
- (c) 21 m
- (d) 19 m
- (e) 13 m

Directions (114-115): Study the following information and answer the given question.

T is the sister of D. D is married to P. P is the son of M. T is the mother of J. Y is the father of U. Y has only one son and only one daughter. U is the daughter of T. Q is the son of D.

Q114. How is P related to T?

- (a) Brother
- (b) cannot be determined
- (c) Brother-in-law
- (d) Cousin brother
- (e) Uncle

Q115. How is J related to D?

- (a) Son
- (b) Niece
- (c) Son-in-law
- (d) Nephew
- (e) Daughter

Directions (116-120): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer. Give answer-

Q116. Statements:

 $S \le L \le I = P \ge E > R; L > Q$

Conclusions:

I. $P \ge S$

II. I > R

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

Q117. Statements:

 $G > R \ge E = A \le T \le S$; $D \le A \le J$

Conclusions:

I. $T \ge D$

II. R > S

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

Q118. Statements:

 $A \ge B > C \le D \le E < F$

Conclusions:

I. $A \ge E$

II. C < F

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



Q119. Statements:

 $G > R \ge E = A \le T \le S$; $D \le A \le J$

Conclusions:

I. J > G

II. J = G

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

Q120. Statements:

 $S \le L \le I = P \ge E > R; L > Q$

Conclusions:

I. L < R

II. $E \ge Q$

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



