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Directions (1-5): Read the following information carefully and answer the given questions carefully.
Seven persons i.e. P, B, Z, D, F, I, and R are reading different novels i.e. Tom Jones, Harry Potter, Le Rouge, Madame Bovary, Le pere, Moby-Dick and Pride Prejudice, but not in same order. Also they like different Novelist i.e. Robert Black, J. K. Rowling, Kingsley, Judy, Robert Boge, Elizabeth Von, and Daisy Ashford but not in same order.

D reads Le pere novel but does not like Robert Boge. The one who reads Le Rouge, likes Daisy Ashford. B likes Judy. The one, who reads Harry Potter is F, who does not like Robert Boge and Kingsley. I likes Elizabeth Von. The one who likes Robert Boge is not R. D does not like Robert Black. Z reads Madame Bovary but does not like J. K. Rowling and Robert Black. The one who likes Robert Boge, is not Z. The one who reads Tome jones, likes Robert Boge. The one who reads Pride Prejudice is not F. B does not read Pride Prejudice.

Q1. Who among the following likes Robert Black?
(a) I
(b) B
(c) Z
(d) F
(e) D

Q2. Who reads Le Rouge?
(a) R
(b) D
(c) P
(d) I
(e) Z

Q3. Who among the following likes J.K. Rowling?
(a) P
(b) I
(c) D
(d) R
(e) B

Q4. The one who reads Moby-dick, is?
(a) R
(b) B
(c) P
(d) I
(e) D

Q5. Who among the following likes Kingsley and reads Pride prejudice respectively?
(a) Z, P
(b) I, F
(c) Z, I
(d) Z, B
(e) D, F

Q6. John's house is situated in North direction from his uncle's office at the distance of 100m.His uncle's house is situated in west from his uncle's office at the distance of 200m.Kabir is the friend of John, Kabir lives at 100m far in the east direction from John's house .Kabir's Office is in south direction from his house at the distance of 100m.How far is Uncle's house from Kabir's office?
(a) 200m
(b) 300m
(c) 400m
(d) 500m
(e) none of these

Directions (7–9): Study the following information carefully and answer the questions given below.

A poll was held in a particular constituency last month. Rakesh, who is a voter of that constituency, walked 40 metres towards east from his home and took a right turn and walked 20 metres. He again took a right turn and walked 30 metres. Finally he took a right turn and reached the polling station, which was 10 metres away from the previous point.

Q7. In which direction was the polling station located from the starting point?
(a) South
(b) Southeast
(c) Northeast
(d) Northwest
(e) East

Q8. What was the total distance covered by Rakesh to reach the polling station?
(a) 100m
(b) 40m
(c) 80m
(d) 60m
(e) 50m

Q9. In which direction was the polling station located from its first turning point?
(a) South-west
(b) north-west
(c) North-east
(d) south-east
(e) None of these

Q10. Ravi started from his house towards North. After covering a distance of 8 km, he turned towards left and covered a distance of 6 km. What is the shortest distance now from his house?
(a) 10 km.
(b) 16 km.
(c) 14 km
(d) 2 km.
(e) None of these.
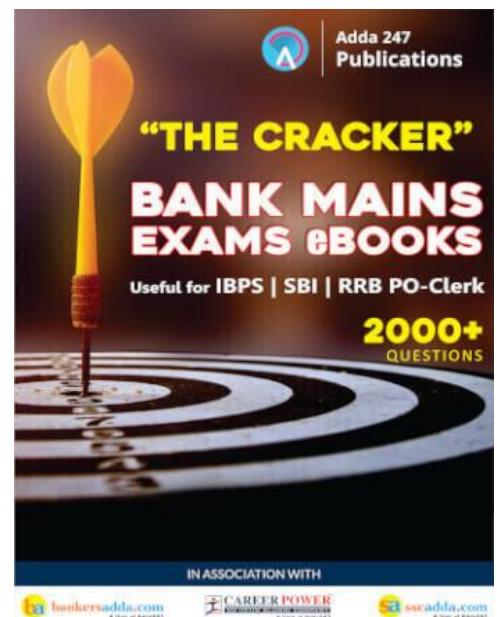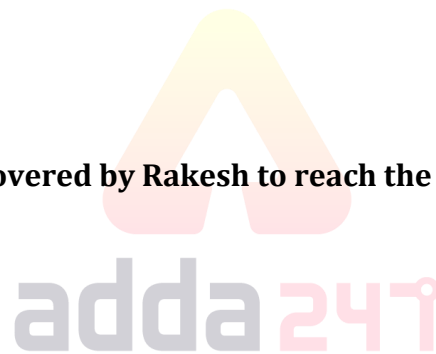
Directions (11-15): Read the following information carefully and answer the given questions:

Eight persons i.e. G, Z, B, R, O, M, D and X are living in eight storey building. Lowermost floor is numbered 1st floor and Top most floor is numbered 8th floor. They belong to different cities of India. These cities are Chennai, Pune, Delhi, Kanpur, Lucknow, Patna, Kolkata and Goa. The one who belongs to Goa lives on odd numbered floor. There are three people between the one who belongs to Goa and G. O lives immediate below the floor on which G lives and belongs to Patna. There are two people between the one who belongs to Kanpur and O. M lives on even numbered floor but above 5th floor. There are same numbers of people living between M to D and M to Z who belongs to Chennai. X lives immediate above the floor on which Z lives. O lives on even numbered floor but below from 5th floor. The one who belongs to Goa does not live on 1st floor. The one who lives on even numbered floor belongs to Delhi, but that person is not M. R does not belong to Goa and Kolkata. The one who belongs to Lucknow lives above the floor on which G lives.

Q11. How many people live between the one who belongs to Delhi and Z?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

Q12. Who among the following lives immediate below the one who belongs to Patna?
(a) R
(b) B
(c) D
(d) Z
(e) X

Q13. Who among the following belongs to Kolkata?
(a) D
(b) X
(c) G
(d) R
(e) O

Q14. How many people live above the floor on which the one who belongs to Kanpur lives?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

Q15. M belongs to which of the cities?
(a) Lucknow
(b) Kanpur
(c) Goa
(d) Patna
(e) None of these

Q16. There are 30 students in a class and the ratio of Boys and Girls are 2:3. All of them are sitting in a row. A's rank is 6th from the top and he is a boy. There are only 5 boys sitting in between A and D, who is a girl and is 16th from the top. Then how many girls are sitting between A and D?
(a) 5
(b) 7
(c) 4
(d) Can't be determine
(e) None of these

Q17. In a row of students facing North, Piya is 16th from the left end. Nine students sit between Piya and Riya. then what could be the minimum number of students possible to be in the row if Piya does not sit at any end?
(a) 16
(b) 17
(c) 2
(d) 26
(e) Cannot be determined

Q18. In a row of students facing North, Rahul is 14th from the left end. Five students sit between Rahul and Sam. What is the position of Sam from the left end, if Sam does not sit to the right of Rahul?
(a) Sixth from the left end
(b) Seventh from the left end
(c) Eight from the left end
(d) Twentieth from the left end
(e) Cannot be determined

Q19. In a row of 55 students Karan's position is 39th from the left and Mayank's position is 36th from right then how many students are there between them?
(a) 19
(b) 17
(c) 16
(d) 20
(e) 18

Q20. There are 23 students in a class. Sumit ranks fourth among the boys in the class. Shivani ranks fifth among the girls in the class. Sumit is one rank below Shivani in the class. No two students hold the same rank in the class. What is Shivani's rank in the class?
(a) Cannot be determined
(b) 5th
(c) 8th
(d) 7th
(e) None of these

Directions (21-25): In each of the questions below. Some statements are given followed by conclusions/group of conclusions numbered as I and II. You have to assume all the statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given two conclusions logically follows from the information given in the statements.

(a) If only conclusion I follows
(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

Q21. Statements:
Some Sharp are Pen. All Pen are Pages. No Pen is Clipboard.
Conclusions:
I. Some Sharp are not clipboard
II. All Pages are Clipboard

Q22. Statements:
All Dolls are Beautiful. Some Toys are Beautiful. All Toys are Classic.
Conclusions:
I. Some Beautiful are Classic
II. No Beautiful are classic

Q23. Statements:
All Bottle are Glass. No Bottle is Plate. All Plate are Steel
Conclusions:
I. Some Glass are not Plate
II. Some Steel are not Bottle

Q24. Statements:
All Mouse are CPU. No CPU is Phone. Some Phone are keys.
Conclusions:
I. Some keys are CPU
II. No Mouse is Phone

Q25. Statements:
All red are Blue. All Blue are Green. No Blue is Brown.
Conclusions:
I. Some Brown are Green
II. Some Brown can be red

Directions (26-30): Study the following information carefully and answer the given questions.

Eight students i.e. A, B, C, D, E, F, G and H 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 one who sits at the four corners face the center of the table while those who sit in the middle of the sides face outside. They all belongs to different school i.e. M, N, O, P, Q, R, S and T but not necessarily in the same order. A sit second to the left of the one who belongs to school N. H belongs to school P and sits third to the right of D. The one who belongs to school O sits second to the left of the one who belongs to school M. The one who is from school T sits third to the left of the one who is from school S. Only one student sits between G, who is from school S and E. E sits second to the left of H. A is not the immediate neighbour of H. Only two person sits between B and A. C does not belongs to school T. B does not belongs to school R. The one who belongs to school Q does not face inside.

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Q26. Four of the given five belongs to a group find the one that does not belong to that group?
(a) R
(b) S
(c) N
(d) P
(e) Q

Q27. Who among the following sits third to the right of C?
(a) A
(b) B
(c) F
(d) G
(e) None of these

Q28. Who among the following belongs to school Q?
(a) B
(b) F
(c) G
(d) D
(e) E

Q29. F belongs to which of the following school?
(a) N
(b) S
(c) P
(d) R
(e) None of these

Q30. Who among the following faces D?
(a) The one who belongs to school Q
(b) The one who belongs to school M
(c) The one who belongs to school O
(d) The one who belongs to school R
(e) None of these

Directions (31-35): Study the following information to answer the given questions:
Twelve people are sitting in two parallel rows containing six people each in such a way that there is an equal distance between adjacent persons. In **row-1**, G, O, U, N, K and P are sitting and all of them are facing South. In **row-2**, Z, Y, H, B, M and R are sitting and all of them are facing North. Therefore, in the given seating arrangement, each member of a row faces another member of the other row. R sits third to the right of B. B faces P and P does not sit at any of the extreme ends of the lines. N sits third to the right of U. H faces K. The one facing K sits third to the right of Z. O and Z does not sit at the extreme ends of the lines. M is not an immediate neighbour of B and P is not an immediate neighbour of N.

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Q31. How many persons are seated between M and H?
(a) One
(b) Two
(c) Three
(d) Four
(e) None

Q32. Who among the following represent the persons sitting at extreme ends of the rows?
(a) H, P
(b) M, G
(c) N, H
(d) U, Y
(e) B, G

Q33. Who sits third to the right of G?
(a) U
(b) K
(c) O
(d) N
(e) P

Q34. Which of the following person faces the one who sits diagonally opposite to the one, who sits second to the right of Y?
(a) Z
(b) R
(c) M
(d) K
(e) O

Q35. 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) O, M
(b) G, Y
(c) U, B
(d) P, Z
(e) K, Y

Directions (36-40): Study the following information carefully and answer the given questions:
In a certain code language
'rabbit is very carrot' is written as 'jla jta jja jsa',
'love drinks are rabbit' is written as 'jja jpa jra jda'
and 'pigeon is very love' is written as 'jda jta jfa jla'.

Q36. What is the code for 'carrot'?
(a) jsa
(b) jda
(c) jja
(d) jla
(e) None of these

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Q37. 'rabbit love pigeon' can be coded as
(a) jsa jja jra
(b) jfa jja jda
(c) jda jra jta
(d) Can't be determined
(e) None of these

Q38. What is the code for 'drinks'?
(a) jra
(b) jpa
(c) Either jra or jpa
(d) jda
(e) None of these

Q39. Which of the following is the code for 'pigeon'?
(a) jta
(b) jda
(c) jla
(d) jfa
(e) None of these

Q40. What does 'jta' stand for?
(a) rabbit
(b) carrot
(c) pigeon
(d) love
(e) None of these

Directions (41-45): Each of the questions below consists of 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 and give answer.
(a) If the data in statement I alone are sufficient to answer the question while the data in statement II 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 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 statement I and statement II are not sufficient to answer the question.
(e) If the data in both statement I and statement II are sufficient to answer the question.

Q41. On which day of the year did P celebrates his marriage anniversary?
I. P's sister correctly remembers that his marriage anniversary is before 20th but after 17th of January.
II. P's brother remembers that his anniversary is after 18th but before 21st of January.

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Q42. Who among P, Q, R, S and T is the heaviest?
I. Weight of Q is 77kg, which is less than the sum of the weights of P and R. Both S and R weighs less than 50kg.
II. P's weight is more than that of both S and T but less than that of R who is the second heaviest.

Q43. Among A, B, C, D and E, who is the third highest scorer?
I. C scored more than A and E, but less than B, who is not the top scorer.
II. E scored more than only A.

Q44. Who among the R, O, L, E and S is the shortest?
I. L is taller than O and S but shorter than E.
II. E is not the tallest.

Q45. What is P's rank in a class of 40?
I. A, who is 4th from the top in the class, is above K by 24 ranks. K is the below from P by 7 ranks.
II. M, whose rank is between P and Z, is 30th from the bottom. A scored more than P.

Directions (46-50): Study the following information and answer the questions given below:
There are eight friends i.e. B, C, L, M, K, P, S and T who have seated around a circular table and faces outside the centre. They are conducting debate on different topic in which these Modi government has failed. The topics are Farmers, Education, Inflation, Pakistan, Employment, Social Justice, law and order and Rural development.
M does not sit with P. The one who is opposing the Modi's stand on Pakistan sits opposite to K. The one who is opposing for the employment of young Indians sits 3rd right of the one who is opposing on rural development. L sits with S but he is immediate neighbor of T. T sits opposite to the one who is opposing on Inflation. S does not doing the debate on Social Justice policy. P sits immediate right of the one who is doing debate on rural development. There is one friend between P and T but T does not sit with K. M who sits opposite to B and doing debates on law and order of whole country. The one who is doing debates on education policy of Modi government sits immediate right of the one who is opposing for Social Justice policy of this government. K is doing debates on rural development policy.

Q46. Who among the following, doing debate on farmers?
(a) P
(b) L
(c) S
(d) B
(e) C

Q47. Who sits 2nd left of the one who is opposing the Pakistan policy of this government?
(a) B
(b) S
(c) P
(d) M
(e) C

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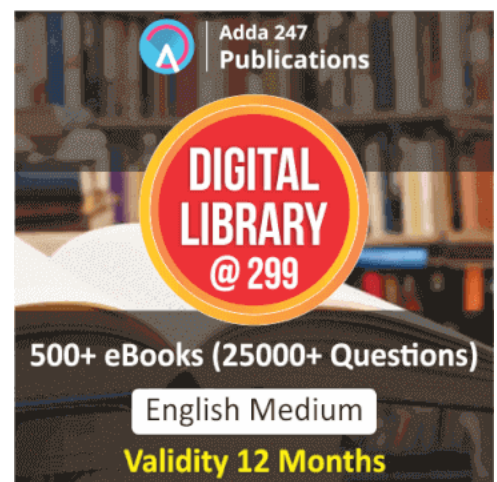
Q48. Who sits opposite to S?
(a) P
(b) K
(c) T
(d) M
(e) B

Q49. Who among the following is immediate neighbors of C?
(a) B, T
(b) M, K
(c) L, S
(d) B, P
(e) None of these

Q50. Who among the following sits opposite to the one who is doing the debate on Employment?
(a) K
(b) P
(c) M
(d) C
(e) None of these

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

Q51. Statements: M<N, N>O, O=P, P≥Q
Conclusions:
(1) N>Q   (2) M>Q
(a) Only conclusion 1 follows
(b) Only conclusion 2 follows
(c) Either conclusion 1 or 2 follows
(d) Neither conclusion 1 nor 2 follow
(e) Both conclusion 1 and 2 follows

Q52. Statements: A>B, B=C, C≤X, X=Y
Conclusions:
(1) C>Y   (2) C≥B
(a) Only conclusion 1 follows
(b) Only conclusion 2 follows
(c) Either conclusion 1 or 2 follows
(d) Neither conclusion 1 nor 2 follow
(e) Both conclusion 1 and 2 follows

Q53. Statements: A=B, B≥C, C≥D, D<E
Conclusions:
(1) D=A   (2) B≥D
(a) Only conclusion 1 follows
(b) Only conclusion 2 follows
(c) Either conclusion 1 or 2 follows
(d) Neither conclusion 1 nor 2 follow
(e) Both conclusion 1 and 2 follows
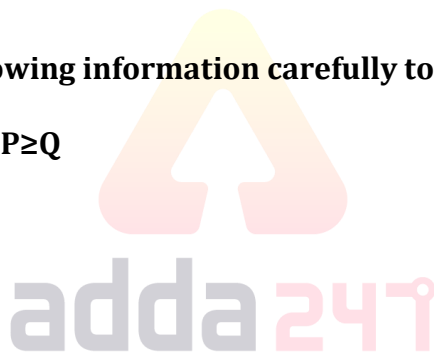
Q54. Statements: A≥B, B≥C, C=D, D<E
Conclusions:
(1) A≥E   (2) E=C
(a) Only conclusion 1 follows
(b) Only conclusion 2 follows
(c) Either conclusion 1 or 2 follows
(d) Neither conclusion 1 nor 2 follow
(e) Both conclusion 1 and 2 follows

Q55. Statements: A=E, E<C, C>B, B=D
Conclusions:
(1) C>D   (2) B<A
(a) Only conclusion 1 follows
(b) Only conclusion 2 follows
(c) Either conclusion 1 or 2 follows
(d) Neither conclusion 1 nor 2 follow
(e) Both conclusion 1 and 2 follows

Directions (56-60): In each of the following below is given a group of letters followed by four combinations of digits/symbols numbered (a), (b), (c) and (d). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and mark the number of that combination as the answer. If none of the four combinations correctly represents the group of letters, mark (e), i.e. 'None of these', as the answer-

Letter	C	D	F	A	U	Q	K	M	G	I	V	W	S	O	L
Digit/ Symbol	#	2	7	µ	%	3	&	9	1	@	5	©	6	8	$

Conditions:
(i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.
(ii) If both the first and the last letter of the group are vowels, their codes are to be interchanged.
(iii) If the first letter is a consonant and the last letter is a vowel, both are to be coded as the code for the vowel.
(iv) If both second and fourth letter is vowel then both are coded as the code of second letter.

Q56.QFDWVI
(a) @%72©µ
(b) @%72©@
(c) ©%72µ@
(d) @72©5@
(e) None of these

Q57.OCGSMK
(a) &#961&
(b) &#169&
(c) 8#169&
(d) &#1698
(e) None of these

Q58.ASVQKU
(a) %65&3μ
(b) 65&7&μ
(c) %653&μ
(d) 65&79&
(e) None of these

Q59.DOWIML
(a) 82©89$
(b) 28©89$
(c) 8376©$
(d) $897©2
(e) None of these

Q60.MFCLGD
(a) 79#$21
(b) 97#$21
(c) 97$#12
(d) 97#$12
(e) None of these

Directions (61–65): In the following questions, the symbols @, $, *, # and % are used with the following meaning as illustrated below.
'P # Q' means 'P is smaller than Q'.
'P @ Q' means 'P is smaller than or equal to Q'.
'P * Q' means 'P is greater than or equal to Q'.
'P % Q' means 'P is equal to Q'.
'P & Q' means 'P is greater than Q'.
Now, in each of the following questions assuming the given statements to be true, find which of the two Conclusions I and II given below them is/are definitely true and give your answer accordingly.

Q61. Statements:
I # A ; A & B & C* D@ E; B&F ;E#H ;G&D
Conclusions: I. A&D   II. D#H
(a) Only I is true
(b) Only II is true
(c) Neither I nor II
(d) Either I or II is true
(e) Both I and II are true

Q62. Statements:
S & R & L; L & M @ N * O % P & Q ; N # T
Conclusions: I. T&Q   II. T%Q
(a) Both I and II are true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Neither I nor II true

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Q63. Statements:
V # P ; S % U ; W % R ; P & Q * R @ S % T
Conclusions: I. T @ W   II. R* V
(a) Only I is true
(b) Only II is true
(c) Neither I nor II
(d) Either I or II is true
(e) Both I and II are true

Q64. Statements:
N* T * R % J & C ; L # J ; R & F # M ; N # S
Conclusions: I. F # S   II. N % J
(a) Both I and II are true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Neither I nor II true

Q65. Statements:
F # L ; H * C # G ;A & B # C * D @ E % F
Conclusions: I. A @ L   II. A & L
(a) Both I and II are true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Neither I nor II true

Q66. If "SOUL" is coded as "5#7$", "FREELS" is coded as "29@@$5", then "OURSELF" will be coded as ?
(a) #759@$2
(b) #795@2$
(c) #9572$@
(d) #795@$2
(e) None of these

Q67. How many pairs of letters are there in the word" PARTICLE" which have as many letters between them in the word as in alphabetical series?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

Q68. If all the alphabets are rearranged within itself as they appear in the English dictionary in the word "MISUNDERSTANDING" then which of the following will be fourth to the left of the twelfth from the left end?
(a) G
(b) N
(c) M
(d) I
(e) None of these

Q69. How many such pair of numbers are there in the given number "91487536" (Both backward and forward) same as far as according to numeric series?
(a) Three
(b) Five
(c) Two
(d) One
(e) None of these.

Q70. If 2 is subtracted from each odd number and 1 is added to each even in the number '83526794', then which among the following digits will appear twice in the new number thus formed?
(a) Only 3
(b) Only 3 and 5
(c) 3, 5 and 7
(d) 1, 5 and 9
(e) None of these

Directions (71-75): Study the information and answer the following questions:

Eight boxes M, N, O, P, Q, R, S and T are placed one above the other but not necessarily in the same order. All boxes contain different number of coins viz. 5, 18, 25, 30, 35, 48, 50 and 60 (not necessarily in the same order).

Three boxes are placed between box O and box M, which contains 48 coins. N contains 50 coins and is placed immediately above O. There is only one box which is placed between box N and box Q, which contains 60 coins. Box P contains 5 coins and it is placed somewhere below box S. Only two boxes are placed between box S and box T, which contains 25 coins. The box which contains 50 coins is not placed below the box which contains 48 coins. Box S has less coins than box T. The box which contains highest number of coins is not placed on top. Box R contains more coins than box O. The box which contains 35 coins will not be placed on top. Box T is placed at the bottom. Only one box is between Q and S.

Q71. How many boxes are placed between box P and box S?
(a) None
(b) One
(c) Two
(d) Three
(e) More than three

Q72. Box which is placed at the bottom contains how many coins?
(a) 30
(b) 35
(c) 18
(d) 25
(e) None of these

Q73. Which among the following boxes is placed at the top?
(a) Box R
(b) Box N
(c) Box O
(d) Box P
(e) None of these

Q74. Which box is placed immediately above the box which contains 35 coins?
(a) Box O
(b) Box S
(c) The box which contains 50 coins
(d) The box which contains 60 coins
(e) None of these

Q75. How many coins did Box O contains?
(a) 18
(b) 30
(c) 35
(d) 25
(e) Cannot be determined

Q76. How many pairs of letters are there in the word" SCHEDULE" which have as many letters between them in the word as in alphabetical series?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

Q77. If all the alphabets are rearranged within itself as they appear in the English dictionary in the word "DEFAULTER" then which of the following will be seventh from the left end?
(a) F
(b) L
(c) T
(d) R
(e) None of these

Q78. How many letter/letters will remain in the same position in the word 'LUNCHBOX' when they are arranged in alphabetical order from left to right?
(a) One
(b) Two
(c) Three
(d) More than Three
(e) None

Q79. Pointing to a lady, Sameer said, "She is the only sister of my father's only grandson". How is that lady related to Sameer?
(a) Daughter
(b) Niece
(c) Sister
(d) Mother
(e) Cannot be determined

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Q80. In a certain code 'CLASS' is written as '47#99' and 'SHAPE' is written as '93#65'. How is 'PALACE' written in that code?
(a) 6#74#5
(b) 6#7#54
(c) 6##745
(d) 6#7#45
(e) None of these

Directions (81-83): Study the following information and answer the given questions.

In a family of seven members there are four female members. T is the mother of M. P is the brother of M. G is grandfather of P. H is mother-in-law of T. V is brother of S, who is sister-in-law of T.

Q81. How is H related to P?
(a) Mother
(b) Grandmother
(c) Sister
(d) Sister-in-law
(e) None of these

Q82. How is M related to S?
(a) Niece
(b) Nephew
(c) Brother
(d) Either (a) or (b)
(e) None of these

Q83. How is V related to G?
(a) Son
(b) Father
(c) Brother
(d) Father-in-law
(e) None of these

Directions (84-85): Study the following information and answer the given questions

In a park J, K, L, M and N are playing a game. All are facing north. K is 50m to the right of M. J is 70m to the south of K. L is 50m to the west of M. N is 95m to the north of J.

Q84. Who among the following is to the southeast of the person who is to the left of M?
(a) J
(b) K
(c) L
(d) N
(e) Cannot be determined

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Q85. If a kid walks from L, meets K followed by J and then N, how many metres does he walk if he travels the straight line distance all through?
(a) 195m
(b) 235m
(c) 210m
(d) 265m
(e) 170m

Directions (86-90): Study the following information to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.
Input: 87 power 13 tide fish 25 around 36 58 union 79 ice
Step I: 131 87 power tide fish around 36 58 union 79 ice 252
Step II: around 131 87 power tide 36 58 union 79 ice 252 fish
Step III: 363 around 131 87 power tide union 79 ice 252 fish 584
Step IV: ice 363 around 131 87 tide union 79 252 fish 584 power
Step V: 795 ice 363 around 131 tide union 252 fish 584 power 876
Step VI: tide 795 ice 363 around 131 252 fish 584 power 876 union
Step VI is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.
 Input for the questions.
Input: quiz 9 rough 71 guest 19 deep 43 57 sanctity 94 light

Q86. How many steps would be needed to complete the arrangement?
(a) X
(b) VIII
(c) IX
(d) VI
(e) None of these

Q87. What will the addition of the numbers which is second from the left end in step II and 5th from the right end in step IV?
(a) 312
(b) 210
(c) 190
(d) 185
(e) None of these

Q88. Which of the following would be the difference of the numbers which is 2nd from left end in step IV and 2nd from right end in Step II?
(a) 290
(b) 183
(c) 193
(d) 241
(e) None of these

Q89. Which of the following element will be 6th from the left of 3rd from the right end in step V?
(a) 91
(b) deep
(c) 433
(d) light
(e) None of these

Q90. In Step IV, which of the following word/number would be on 4th position (from the left)?
(a) sanctity
(b) 91
(c) 71
(d) rough
(e) None of these

Q91. In a family of seven members, E is daughter-in-law of N. M is married man. G is niece of C and both are unmarried. C is the only sibling of N. D is brother-in-law of F who is not a sibling of G. How is F related to D?
(a) Sister-in-law
(b) Brother-in-law
(c) Uncle
(d) Aunt
(e) Can't be determined

Directions (92-95): These questions are based on the following set of numbers.
438   254   619   783   941

Q92. If all the digits in the number are rearranged in ascending order within itself, then which among the following will be the sum of second digit of the lowest number and the third digit of the highest number?
(a) 8
(b) 10
(c) 12
(d) 14
(e) None of these

Q93. If in each number, the first and the third digits are interchanged, then which among the following number will be difference of the first digit of the highest number and last digit of the second lowest number?
(a) 0
(b) 7
(c) 5
(d) 2
(e) 8

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Q94. If the difference of the highest number and the lowest number is rearranged within itself in descending order, then which among the following will be the third digit?
(a) 8
(b) 6
(c) 7
(d) 9
(e) 5

Q95. A person starts from point A, walks 10 m in south direction. Then he takes two consecutive left turns and walked 8m and 16m respectively. Then takes two consecutive right turns and walks 4 m and10 m respectively. What is the shortest distance from point A to the final point.
(a) 20 km
(b) 3√10 km
(c) 4√10 km
(d) 4√5 km
(e) 10 km

Directions (96-100): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions.
Mark answer as
(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.

Q96. Statements:
M ≥ D < N < P < R
Conclusions: I. M < R II. R ≥ M

Q97. Statements:
S<B, H ≤ R > F > A = B
Conclusions: I. H < B II. R > B

Q98. Statements:
H > R ≥ S = T; U ≥ R
Conclusions: I. H > T II. S ≤ U

Q99. Statements:
H ≤ S > Q ; Z < Q
Conclusions: I. H > Z II. H ≤ Z

Q100.Statements:
R≤H>K;L=T<R;A>L
Conclusions: I. H > L   II. K > T

Directions (101-105): Study the information carefully and answer the questions given below.

Eight persons are sitting around a rectangular table such that three each sit on the longer side and one each on the shorter side. Some of them face towards the center of the table and some face away from the table. B does not sit opposite to the one who is 2nd to the right of A. H either sits at the shorter side or in the middle of the longer side. E and B face same direction. Only one person sits between E and G when counted from the right of E. B sits 3rd to the right of H. G faces F. Two persons sit between B and F. A and D sit 2nd left to each other. A is 2nd right to C but none of them sits next to B. E is one of the neighbor of C. D and G faces same direction. H faces center.

Q101. Who among the following sits 2nd to the right of A?
(a) E
(b) F
(c) C
(d) B
(e) none of these

Q102. How many persons are sitting between H and B when counted form left to H?
(a) Two
(b) One
(c) Three
(d) Four
(e) None of these

Q103. Which of the following not true regarding C?
(a) A sits opposite to C
(b) F sits immediate right to C
(c) C faces towards the center of the table
(d) B sits 2nd to the right of C
(e) none of these

Q104. Who among the following sits 4th to the right of the one who sits opposite to D?
(a) E
(b) F
(c) C
(d) B
(e) none of these

Q105. Who among the following sits opposite to H?
(a) E
(b) F
(c) C
(d) B
(e) none of these

Directions (106–110): 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

(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

Q106. How is P related to Mr X?
I. P is the grandson of X's father.
II. X has no sisters but has several friends and each of his friends is the only son in his respective family.

Q107. In which direction was the tourist train XYZ running?
I. A person P sitting in the train saw that his image fell exactly on his right but the image of his brother Q sitting opposite him fells on his left.
II. The train was not moving towards South.

Q108. What is the code for 'X' in a code language in which the word 'MIXER' is written as '>)★=•' ?
I. In the code language STRIP, MAPRO and ASTER are written as '=@$ •<' '(#@>•'and '$•<*#' respectively.
II. In the code language MISER is written as '> $ * = •'.

Q109. In which year was P born?
I. P at present is 25 years younger to his mother.
II. P's brother, who was born in 1964, is 35 years younger to his mother.

Q110. How many matches did India win in a series of ten matches against Australia?
I. When the fifth match was being played India had won all the previous matches.
II. Only one of the matches ended in a draw but the result of the matches played immediate before and immediate after the match drawn were in India's favour whereas all the matches played after the seventh match were in India's favour.

Directions (111-115): Read the following information carefully and answer the questions.
There are eight employees i.e. A, B, C, D, E, F, G and H who are born in eight different months of a same year. Months start from March to October consecutive. C is born in June. There is only one employee whose birth month is between C and B. E is born in last month of given data. H is born just before the month on which A is born but after C's born month. F is younger than C but older than A. G is Younger than D.

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Q111. Who among the following is younger than A?

(a) B
(b) D
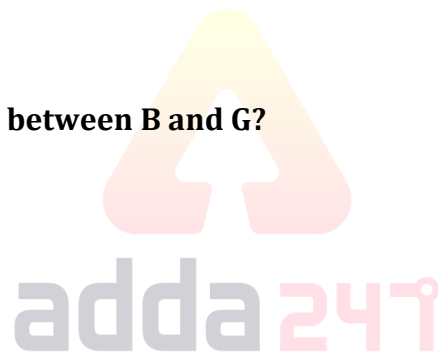(c) F
(d) E
(e) H

Q112. How many employees are older than F?

(a) Four
(b) Two
(c) Three
(d) Five
(e) No one

Q113. If G's born month is interchanged with A's born month, then G is older than which among the following employees?

(a) H
(b) B
(c) E
(d) F
(e) D

Q114. How many employees born between B and G?

(a) No one
(b) One
(c) Two
(d) Three
(e) Four

Q115. Which of the following month D is born?

(a) August
(b) June
(c) May
(d) March
(e) None of these

Directions (116-120): Study the following information and answer the questions given below:

'Q + R' means 'Q is father of R'
'Q ÷ R' means 'R is brother of Q'
'Q × R' means 'Q is husband of R'
'Q – R' means 'Q is sister of R'

Q116. In the expression Q + R × P – S ÷ T, how is S related to R?

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

Q117. In the expression Q + R − S + T ÷ M, how is M related to Q?
(a) Son
(b) Daughter
(c) Grandson
(d) Can't be determined
(e) None of these

Q118. Which of the following expressions shows that K is sister of M?
(a) J + K − L + N ÷ M
(b) J × K − L ÷ N ÷ M
(c) J + L − K ÷ M + N
(d) Can't be determined
(e) None of these

Q119. Which of the following is true for the given expression?
'J + K − L + N ÷ M'
(a) K is aunt of N and M
(b) K is father of M
(c) N is sister of M
(d) J is father of N
(e) None of these

Q120. What will come in place of the question mark (?) to make the expressions I < H as well as K ≥ J definitely true?
J = Y ≤ I? K < H
(a) ≥
(b) <
(c) >
(d) ≤
(e) None of these
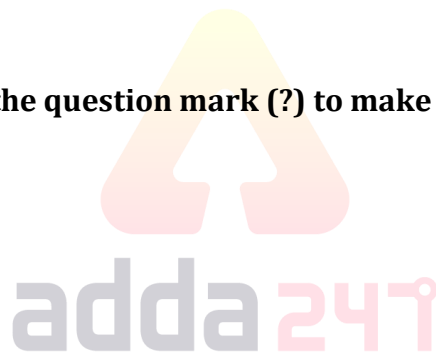
Directions (121-122): Read the following information carefully and answer the question which follows:

IF 'A × B' means 'A is son of B'
IF 'A + B' means 'A is daughter of B'
IF 'A ÷ B' means 'A is wife of B'
IF 'A - B' means 'A is Father of B'

Q121. 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) ×
(c) −
(d) ÷
(e) Either (a) or (b)

Q122. Which of the following relations are true based upon the relations given in the question?
J ÷ K × 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 (123-125): Study the following information carefully and answer the given questions.
Point S is 40 m towards the North of Point P. Point Q is 15 m towards the West of point S. Point U is 25 m towards the West of point S. Point T is 20 m towards the South of point Q. Point R is 15 m towards the East of point T. Point V is 15 m towards the West of point P.

Q123. Which of the following points are in a straight line?
(a) S, T, P
(b) T, V, R
(c) S, Q, V
(d) T, V, Q
(e) U, Q, R

Q124. P is in which direction with respect to R?
(a) South
(b) North
(c) East
(d) West
(e) Cannot be determined

Q125. If a person walks 10 m towards East from point U and then takes a right turn, which of the following points would he reach first?
(a) V
(b) S
(c) T
(d) P
(e) R

Directions (126–130): Read the following passage carefully and answers the questions given below it—
Eight persons P, Q, R, S, T, U, V, and W are sitting around a square table facing the centre not necessarily in the same order. Each one of them has a different item in his/her purse viz. Rose, Cigar, Cap, Candy, Teddy, Sandwich, Water bottle and Pen. Two persons are sitting on each side facing the other two.
V sits second to the right of the one who has candy. The one who has a water bottle is an immediate neighbour of the one who has candy. S and the one having a rose are immediate neighbours of each other. U does not have a rose. Only one person sits between T and Q, when counted clockwise from Q. R sits third to left of the one who has a pen. The one who has a sandwich sits second to left of the person having a teddy. Two people sit between the one who has a Water bottle and U, when counted clockwise from the person who has the water bottle. T and P are immediate neighbours of each other. Neither T nor P is an immediate neighbour of either U or the one who has a Candy in his purse. The one who has a cap sits second to the right of Q, who has a cigar.

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Q126. Who amongst the following has a Water bottle?
(a)R
(b)W
(c)Q
(d)P
(e)S

Q127. If U has a sister amongst the given eight persons sitting around the table, then which of the following could definitely not be her sister?
(a)R
(b)W
(c)Q
(d)P
(e)S

Q128. Who amongst the following has a Cigar?
(a)W
(b)T
(c)R
(d)S
(e)Q

Q129. Who amongst the following sit exactly between U and the person who has a water bottle?
(a)W and the person who has a Rose.
(b)V and S.
(c)R and the person who has a Cap.
(d)R and S
(e)The persons who have a Teddy and a Cigar.

Q130. Who amongst the following sits seventh to left of U?
(a)T
(b)R
(c)V
(d) The one who sits to the immediate right of the one carrying a teddy.
(e) None of these

Directions (131-135): A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: soul 63 bag 51 92 66 dancer light 86 read
Step I: bag soul 63 51 66 dancer light 86 read 92
Step II: dancer bag soul 63 51 66 light read 92 86
Step III: light dancer bag soul 63 51 read 92 86 66
Step IV: read light dancer bag soul 51 92 86 66 63
Step V: soul read light dancer bag 92 86 66 63 51
Step VI: 36 6 9 6 1 2 5 3 9 6
And step V is the last step of the arrangement. As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the input given below;
Input: 41 do provoke 21 79 mouth cat loud 29 apple 83 44

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Q131. How many steps would be needed to complete the arrangement?
(a) IV
(b) V
(c) VI
(d) VII
(e) None of these

Q132. Which Step number would be the following output?
loud do cat apple provoke 21 mouth 29 83 79 44 41
(a) III
(b) II
(c) VII
(d) IV
(e) There will be no such step

Q133. Which of the following would be the step I?
(a) apple 41 do cat provoke 21 mouth loud 79 29 83 44
(b) apple cat 21 provoke do 41 mouth loud 29 83 44 79
(c) apple 41 do provoke 21 44 mouth cat loud 79 83 29
(d) apple 41 do provoke 44 21 cat mouth loud 29 79 83
(e) None of these

Q134. In step V, which of the following word/number would be on the 6th position (from the right)?
(a) 44
(b) 21
(c) 79
(d) provoke
(e) apple
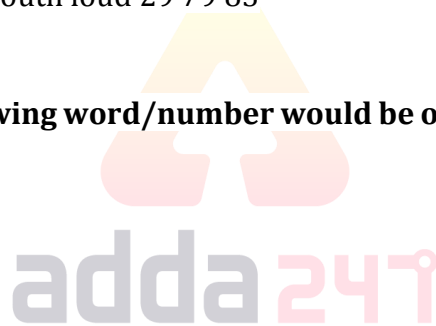
Q135. Which of the following would be the final arrangement?
(a) 35 36 36 15 1 6 2 7 8 5 1 3
(b) 35 35 36 15 1 6 2 7 4 5 2 3
(c) 35 36 36 15 1 6 2 7 8 5 2 3
(d) 36 36 36 15 1 6 2 7 8 5 2 3
(e) None of these

Directions (136-140): Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer.
(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 in Statement I alone or in Statement II alone are sufficient to answer the question.
(d) if the data in both the statements I and II are not sufficient to answer the question.
(e) if the data in both the Statements I and II together are necessary to answer the question.

Q136. Who among P, Q, R and S is sitting next to P if all persons are sitting in a straight line facing north?
I. P does not sit next to S who does not sit next to the extreme right.
II. None sit to the left of P and on the right of Q, while only one person sits between R and Q.

Q137. What is the code for 'those' if in a certain code language 'those lovely red roses' is written as 'pe so la ti'?
I. 'ni jo ke pe' means 'stopped at red light'.
II. 'ba di ti ga' means 'roses are very pretty and 'fo hi la' means 'lovely day outside'.

Q138. What is Sandeep's rank from the top in a class of 50 students?
I. Aman is 6 ranks below Sandeep and is twenty-ninth from the bottom.
II. Alok is 4 ranks above Sandeep and is thirty-fifth from the bottom.

Q139. How many sisters does Anushka have?
I. The only brother of Anushka's father has only one niece.
II. The son of the husband of Anushka's mother has three siblings.

Q140. In which month of the year was Sanjana born?
I. Her mother correctly remembers that Sanjana was born after June and before September.
II. Her father correctly remembers that she was born after March and before August.

Directions (141-145): Read the following information carefully and answer the questions.

There are 8 persons i.e. A, B, C, D, W, X, Y and Z who have seated in two parallel rows. A, B, C, D sits in row 1 and faces North. W, X, Y and Z sits in row 2 and faces South. They like different colours i.e. Blue, Black, White, Yellow, Red, Violet, Green, and Grey.

A sits 2nd right of the one who likes Grey color. There is only one person seated to the left of the one who likes Grey color. The one who faces A, likes White colour and sits immediate left of W. There is one person sitting between W and the one who likes Red color. X and Y sit together but Y does not like Red. The one who likes Blue colour, faces the one who likes Grey colour. There is only one person sits between B and C, who likes Green color. B sits at extreme end. The one who faces C likes Black colour. A does not like Violet colour.

Q141. Who among the following likes White color?
(a) X
(b) Y
(c) Z
(d) W
(e) D

Q142. Who among the following sits immediate left of the one who likes Grey color?
(a) No one
(b) B
(c) C
(d) D
(e) W

Q143. How many persons sits right of X?
(a) No one
(b) One
(c) Two
(d) Three
(e) None of these

Q144. If Y interchanges his position with B, then who will seat 2nd right of Y?
(a) D
(b) C
(c) A
(d) No one
(e) X

Q145. Who among the following likes Yellow color?
(a) X
(b) Y
(c) A
(d) W
(e) D

Directions (146-150): Study the following information to answer the given questions:
In a certain code,
'za la ka ga' is code for **'Ram wants to go'**,
'za fa sa na' is code for **'Sita wants the Shahrukh'**,
'na la da sa' is a code for **'Sita Ram looks Shahrukh'**,
'wa sa za da' is code for **'looks Shahrukh wants delhi'**.

Q146. Which of the following is the code for 'looks'?
(a) sa
(b) da
(c) la
(d) na
(e) None of these

Q147. What does the code 'wa' stand for ?
(a) to
(b) Ram
(c) looks
(d) delhi
(e) wants

Q148. Which of the following is the code for 'sita'?
(a) sa
(b) wa
(c) za
(d) na
(e) fa

Q149. What is the code of 'wants' in the code language?

(a) za

(b) ka

(c) la

(d) ga

(e) Cannot be determined

Q150. Which of the following is the code for 'go'?

(a) la

(b) Can't be determined

(c) za

(d) ga

(e) ka

Directions (151-155): Study the following information carefully and answer the questions below.

There are seven friends i.e. Preeti, Suman, Vipul, Raman, Kamal, Vijay and Rahul living in a seven storey building such that the ground floor is numbered one and 1st floor is numbered 2 and so on up to top floor which is numbered 7. They all are using different brands of mobile such as - Lenovo K6, Moto E 4, I-Phone 7, Mi-Note 4, Moto G5, Nokia 6 and Samsung Young, but not necessarily in the same order. Vijay lives on an even number floor but above 2nd floor and he is not using Mi-Note 4 and I-Phone 7. Suman uses Samsung Young and lives on an even number floor. Preeti does not using MI-Note 4 and Nokia 6. Rahul is using Lenovo K6 and lives above Vijay on an odd numbered floor. There are three friends living between the floor on which Rahul lives and the one who like Moto G5. Kamal is using Nokia 6 and stays on an odd number Floor but above Suman. Vipul lives on 3**rd** numbered Floor. Suman lives immediately above of the floor in which Preeti lives. There are two floors gap between the one who uses Lenovo K6 and the one who uses Mi-Note 4. Kamal does not use I-Phone 7 and Moto E 4. The one who likes Moto G5 does not live on 1**st** Floor.

Q151. Raman stays on which of the following floor?

(a) First

(b) Second

(c) Third

(d) Fourth

(e) Seventh

Q152. Preeti uses which of the following mobile?

(a) Moto E4

(b) Samsung Young

(c) Moto G 5

(d) None of these

(e) Can't be determined

Q153. Who among the following stays on 5ᵗʰ floor?
(a) Raman
(b) Kamal
(c) Preeti
(d) Suman
(e) Vijay

Q154. Vijay uses which of the following Mobile?
(a) Mi-Note 4
(b) Samsung Young
(c) Moto E 4
(d) Moto G 5
(e) None of these

Q155. If in a certain way 7ᵗʰ floor is related to Vijay and in the same way 3ʳᵈ floor is related to Suman then following the same pattern, which of the following floor number is related to Kamal?
(a) 5ᵗʰ
(b) 6ᵗʰ
(c) 3ʳᵈ
(d) 2ⁿᵈ
(e) 1ˢᵗ

Directions (156-160): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions
Mark answer (a) if only conclusion I follows.
Mark answer (b) if only conclusion II follows.
Mark answer (c) if either conclusion I or II follows.
Mark answer (d) if neither conclusion I nor II follows.
Mark answer (e) if both conclusions I and II follow.

Q156. Statements: $A \geq B = C$; $B < D \leq E$
Conclusions: I. $D > A$ II. $E > C$

Q157. Statements: $L > U \geq K$; $Z < U < R$
Conclusions: I. $L > Z$ II. $K < R$

Q158. Statements: $Y < J = P \geq R > I$
Conclusions: I. $J > I$ II. $Y < R$

Q159. Statements: $V \geq K > M = N$; $M > S$; $T < K$
Conclusions: I. $T < N$ II. $V = S$

Q160. Statements: $F \leq X < A$; $R < X \leq E$
Conclusions: I. $F \leq E$ II. $R < F$

Directions (161-165): Study the following information carefully to answer the given questions:
In a certain code language,
'neeraj aniket saurabh prashant' is coded as 'la pa zi ta'
'gopal aniket saurabh neeraj' is coded as 'pa zi la sa'
'swati saurabh meena guneet' is coded as 'na hi ga pa'
'neeraj priyanka vidushi swati' is coded as 'zi mi jo ga'

Q161. How will 'neeraj gopal swati' be coded in the given language?
(a) zi la sa
(b) zi sa ga
(c) sa mi jo
(d) pa zi mi
(e) None of these

Q162. How will 'swati saurabh guneet' be coded in the given language?
(a) zi la sa
(b) zi sa ga
(c) sa mi jo
(d) pa zi mi
(e) None of these

Q163. What does 'pa' stand for?
(a) gopal
(b) swati
(c) saurabh
(d) priyanka
(e) None of these

Q164. Which of the following will be coded as 'na hi la' in the given language?
(a) aniket saurabh guneet
(b) meena guneet aniket
(c) gopal aniket swati
(d) meena neeraj swati
(e) None of these

Q165. Which of the following will be coded as 'la' in the given language?
(a) aniket
(b) swati
(c) gopal
(d) guneet
(e) None of these

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Directions (166-170): Study the following information carefully and answer the questions given below.

There are seven cricket players i.e. R, S, T, V, W, X and Y, who plays together for world XI team in a charity match. They all scored different number of centuries (100's) in One day internationals (ODI) i.e. 15, 17, 19, 25, 27, 49 and 64 but not necessarily in the same order. They all are sitting in row such that only three of them facing south and rest are facing north.

R sits third to the left of X and sits at the corner. T, who scored 17 hundred's in one day internationals, is sitting on the immediate right of Y, who faces south direction. R scored 27 centuries in his career. There are more than three players sit between the player, who scored 15 centuries and the one, whose number of centuries is a perfect cube of odd number. The difference between the centuries scored by S and Y, is twice the difference of centuries scored by R and V. Immediate neighbor of S faces same direction. S sits 2nd to the right of T, who faces opposite to R (i.e. If R is facing north then T faces south direction and vice versa). S faces north direction and sits 2nd to the right of R. Y does not score 15 centuries. X scored 64 centuries in his one-day career. V faces south direction. The one, who scored 49 and the one, who scored 19 centuries are immediate neighbors.

Q166. Who among the following score 49 centuries in his ODI career?
(a) R
(b) S
(c) T
(d) V
(e) None of these

Q167. Who among the following pair of persons sit at the end of the row?
(a) RW
(b) SV
(c) RV
(d) ST
(e) None of these

Q168. Who among the following sits 2nd to the right of V?
(a) X
(b) S
(c) W
(d) T
(e) None of these

Q169. Who among the following score 19 centuries in ODI's?
(a) W
(b) S
(c) R
(d) T
(e) None of these

Q170. How many centuries do Y scores in his ODI career?

(a) 15

(b) 27

(c) 49

(d) None of these

(e) 25

Directions (171-175): In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from 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.

Q171. Statements:

Some A are B.

All B are D.

All D are E.

Conclusions:

I. At least some D are A.

II. All E being A is a possibility.

III. Some D are not A.

(a) Only I follow

(b) Only II follows

(c) Both I and II follow

(d) Only III follows

(e) None follows

Q172. Statements:

Some M are not N.

Some P are N.

Some R are M.

Conclusions:

I. All P are M is a possibility.

II. All N can be R.

III. No M is N.

(a) Only I follow

(b) Both II and III follows

(c) Both I and III follow

(d) Both I and II follow

(e) None of these

Q173. Statements:
Only A are C.
No A is B.
Some D are B.

Conclusions:
I. Some D can never be C
II. Some A are C.
III. Some D are not C.
(a) Only I follow
(b) Only II follows
(c) Only III follows
(d) Both II and III follows
(e) None of these

Q174. Statements:
Some A are B.
All D are E.
All B are D.

Conclusions:
I. At least some D are not A.
II. All E are A.
III. Some E are A.
(a) Only I follow
(b) Only II follows
(c) Only III follows
(d) Both I and II follow
(e) None of these

Q175. Statements:
No M is Q.
Some R are M.
Some Q are R.
Some S are R.

Conclusions:
I. Some R are not Q
II. Some R are not M
III. All S are R is a possibility
(a) Both I and III follows
(b) Only II follows
(c) Only II and either I or III follow
(d) All follow
(e) None of these

Direction (176-178): Study the following information carefully and answer the questions given below:

Ravi starts walking 12km in the East direction from point X and reaches at point A. After that he turns 225° clockwise and walks 15000m to reach at point Y and then Ravi turns 135° clockwise and walks 9km to reach at point Z. At last he turns 45° in his right and walks 3km.

**Q176. What is the direction of Ravi's last position with respect to point X?**
(a) North-West
(b) North- East
(c) South- East
(d) Can't be determine
(e) None of these

Q177. What is the total distance covered by Ravi from his first turn to his final position?
(a) 27km
(b) 26km
(c) 27000m
(d) Both (a) and (c)
(e) None of these

Q178. What is the direction of point X with respect to point Z?
(a) North-West
(b) South- East
(c) South- West
(d) Can't be determine
(e) None of these
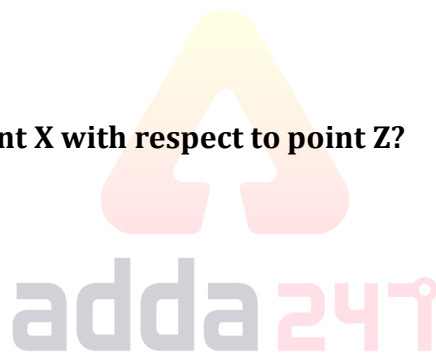
Directions (179-180): Read the following information carefully and answer the questions given below.

Five persons L, M, N, O and P are of different age. L is elder than only P. N is younger than only M.

Q179. Who among the following is elder than N?
(a) L
(b) M
(c) Can't be determined
(d) O
(e) P

Q180. Suppose if M's age is 32 years and O's age is 25 years, then what can be the probable age of N?
(a) 27 years
(b) 21 years
(c) 35 years
(d) 24 years
(e) None of These

Direction (181-183): Study the following information carefully and answer the questions given below:

There are five bikes i.e. Bajaj, Hero, Honda, TVS and Yamaha. Each bike has different mileage. Yamaha has a mileage greater than Hero and less than TVS. Honda's mileage is less than only one bike. The bike which has 2nd lowest mileage is 50. Hero's mileage is not lowest.

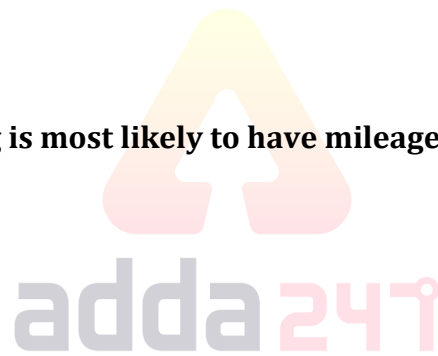**Q181. Which among the following has highest mileage?**
(a) Bajaj
(b) Hero
(c) Honda
(d) TVS
(e) Yamaha

Q182. Which among the following has 2nd lowest mileage?
(a) Bajaj
(b) Hero
(c) Honda
(d) TVS
(e) Yamaha

Q183. Which among the following is most likely to have mileage of 45?
(a) Bajaj
(b) Hero
(c) Honda
(d) TVS
(e) Yamaha

Direction (184-188): Study the following information carefully and answer the questions given below:

In a certain code language:
'meeting is in morning' written as 'im cd dv ch'
'healthy walk is important' written as 'md im ev em'
'morning walk is healthy' written as 'ev em im cd'
'important talk in meeting' written as 'md dv ch ef'

Q184. What is the code for 'important' in the given code language?
(a) ev
(b) em
(c) im
(d) md
(e) None of these

Q185. Which of the following is coded as 'em' in the given code language?
(a) walk
(b) morning
(c) healthy
(d) Either (a) or (c)
(e) None of these

Q186. If 'in healthy way' is coded as 'ch em nf' in the given code language, then what is the code for 'way walk'?
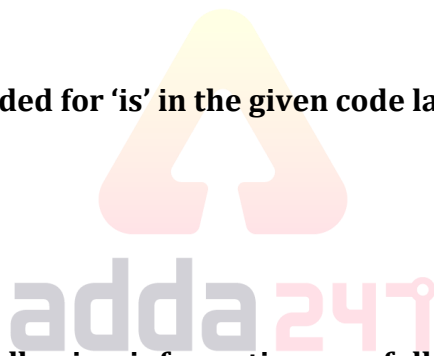(a) ev ef
(b) ev nf
(c) nf cd
(d) Can't be determined
(e) None of these

Q187. What is the code for 'healthy talk in morning' in the given code language?
(a) ev ef ch cd
(b) em ef dv cd
(c) em ef md cd
(d) Either (a) or (b)
(e) None of these

Q188. Which of the following is coded for 'is' in the given code language?
(a) im
(b) cd
(c) ev
(d) em
(e) None of these

Direction (189-190): Study the following information carefully and answer the questions given below:
From point A, Virat walks 10m towards east and reach at point P. Then, he turns towards left and walks 8m to reach point Q. Then, he turns to his right and walks 6m to reach point R. Finally, he turns towards south and walk 7m and reach at point D.

Q189. In which direction is point D with respect to A?
(a) North
(b) East
(c) West
(d) North-east
(e) North-west

Q190. Which among the following is the distance between point P and R?
(a) 6m
(b) 7m
(c) 8m
(d) 9m
(e) 10m

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Direction (191-195): Study the following information carefully and answer the questions given below:

There are eight persons i.e. P, Q, R, S, T, U, V and W working in a different bank viz. State Bank of India, Punjab National Bank, Indian Overseas Bank, Canara Bank, Dena Bank, Central Bank, United Bank and Union Bank (but not necessarily in same order). All are sitting in a circular table and facing to the center. Q sits 3rd to the right of P. The person who works in Union Bank is an immediate neighbor of V. There is one person sits between Q and the person who works in State Bank of India. The persons who work in Punjab National Bank and Central Bank are immediate neighbors of the person who works in State Bank of India. The person who works in Punjab National Bank is not an immediate neighbor of Q. V sits immediate right of the person who faces P. V and S are immediate neighbors of U. The person who works in Canara Bank is neither an immediate neighbor of V nor R's. R sits immediate right of T. There is one-person gap between the persons who work in United Bank and Indian Overseas Bank. The person who works in Dena Bank is not an immediate neighbor of the person who works in United Bank. V doesn't work in Canara Bank.

Q191. Who among the following sits 2nd to the right of T?
(a) P
(b) Q
(c) R
(d) S
(e) U

Q192. How many persons are sitting between S and W when counted clockwise direction from W?
(a) One
(b) Two
(c) Three
(d) More than three
(e) None

Q193. Who among the following sits immediate left of V?
(a) Q
(b) R
(c) S
(d) U
(e) W

Q194. Who among the following faces the person who works in Indian Overseas Bank?
(a) The person who works in Punjab National Bank
(b) The person who works in State Bank of India
(c) The person who works in Central Bank
(d) The person who works in Dena Bank
(e) None of these

Q195. Who among the following is an immediate neighbor of U?
(a) The person who works in Punjab National Bank
(b) The person who works in Dena Bank
(c) The person who works in Canara Bank
(d) The person who works in State Bank of India
(e) The person who works in Central Bank

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Directions (196-200): Study the following information carefully and answer the questions given below-

Eight persons P, Q, R, S, T, U, V and W. They live on a separate floor each of an eight-floor building but not necessarily in the same order. The ground floor is numbered 1 and so on until the topmost floor is numbered 8.

U lives in an odd numbered floor. Four persons live between T and S who lives one of the floor below the floor on which U lives but not immediate below. R lives on the floor numbered which is multiple of 2 but not on 6th floor. V lives on an even numbered floor. More than two persons live between V and S. Q lives immediate above the floor on which W lives. R does not live below U. P lives on an odd numbered floor below T.

Q196. Who lives on the floor just above V?
(a) U
(b) P
(c) No one
(d) R
(e) T

Q197. How many persons live between S and V?
(a) None
(b) One
(c) Five
(d) Three
(e) Four

Q198. Which of the following pairs live on the first floor and the topmost floor respectively?
(a) R, Q
(b) P, R
(c) U, V
(d) S, P
(e) V, R

Q199. Who among the following lives on the fourth floor?
(a) Q
(b) S
(c) P
(d) T
(e) V

Q200. Which of the following combination is true?
(a) First floor-S
(b) Fourth floor-T
(c) Third floor-W
(d) Sixth floor- R
(e) Second floor- P

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Directions (201-205): These questions are based on the following six numbers.
843 158 425 674 362 568

Q201. If we add 2 to the second digit of each number and subtract 1 from the first digit of each number, then which of the given will become the lowest number?
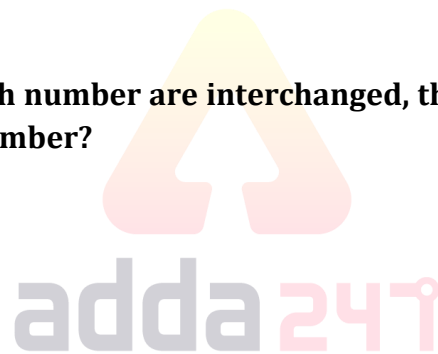(a) 362
(b) 568
(c) 158
(d) 425
(e) 843

Q202. If all the digits in each of the numbers are written in increasing order within the number, then which of the given number will become the second highest?
(a) 674
(b) 568
(c) 425
(d) 362
(e) 158

Q203. If the first two digits of each number are interchanged, then which of the following number will become the second lowest number?
(a) 674
(b) 158
(c) 568
(d) 843
(e) 362

Q204. In each number, if we subtracted 1 in second digit and then interchange with last digit, then which among these number will be 2nd lowest number?
(a) 425
(b) 158
(c) 674
(d) 362
(e) 843

Q205.If we replace all the even digits in each number with zero, then which of the following number will become the second lowest?
(a) 674
(b) 425
(c) 843
(d) 158
(e) 568

Direction (206-208): Read the information carefully and answer the questions given below:

Point R is 10m to the south of T. Point U is 3m to the east of R. Point V is 5m to the south of U. Point W is 6m to the west of V. Point S is 10m to the north of W. Point Q is 6m to the east of S. Point P is 5m to the north of Q.

Q206. Which of the following represents the direction of point U with respect to point S?
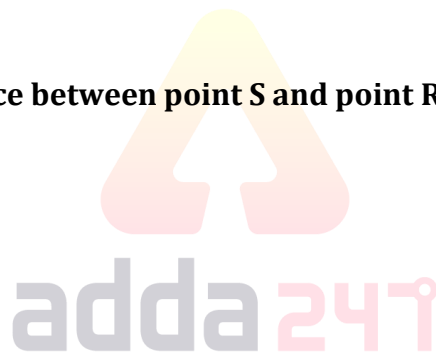
(a) South-east

(b) North-west

(c) South-west

(d) West

(e) North-east

Q207. How far and in which direction is point T from point P?

(a) 5m south

(b) 3m east

(c) $\sqrt{34}$m west

(d) 3m west

(e) 5m north

Q208. What is the shortest distance between point S and point R?

(a) $\sqrt{5}$m

(b) $\sqrt{34}$m

(c) 16m

(d) $3\sqrt{5}$m

(e) 4m

Q209. A person started walking towards South from point X. After walking 48m he took a right turn and walked 7m. Then he took a right turn and walked 24m. Again he took a right turn and walked 14m and stopped at point Y. How far and in which direction was he from the starting point?

(a) 50m North-east

(b) 15m North

(c) 25m South-east

(d) 50m North

(e) 10m South-east

Q210. House A is towards East of house M. House B is towards North of house A. House C is towards South of house B. Towards which direction is house C from house M?

(a) East

(b) South-east

(c) North-east

(d) Data inadequate

(e) North

Directions (211-215) Read the following information carefully and answer the questions given below:

Seven books P, Q, R, S, T, U and V are published in same month of the different years- 2010, 2016, 2012, 2001, 2005, 2014 and 2019 but not necessarily in the same order.

Book Q published on an odd numbered year. Only three books published in between Q and U. Book R published 4 years after the year in which S published. V published on the year which is completely divisible by 3. T published on an even numbered year before U. P published one of the years before Q.

Q211. How many books published in between S and V?

(a) None

(b) Two

(c) One

(d) Three

(e) More than three

Q212. Book P published on which of the following year?

(a) 2005

(b) 2012

(c) 2001

(d) 2019

(e) 2016

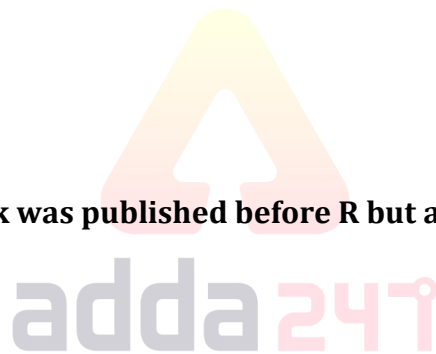**Q213. Which of the following book was published before R but after S?**

(a) T

(b) P

(c) Q

(d) U

(e) V

Q214. Book R published after how many years with respect to book Q published?

(a) 10 years

(b) 9 years

(c) 4 years

(d) 2 years

(e) 5 years

Q215. Which of the following book was published immediate after U published?

(a)P

(b)Q

(c)R

(d)S

(e)V

Directions (216-218): Read the given information carefully and answer the questions given below.
There are six boxes M, N, O, P, Q and R each box is of different weight. Each box is of different colours i.e. Yellow, Green, Blue, Brown, Grey and White (not necessarily in same order).

Box R is heavier than P. Brown colour box is the 3rd heaviest box. Box N is not the lightest box. Box O is heavier than box M. Weight of Box N is less than box M. Box Q is heavier than N but not the heaviest. Box M and P are not green colour. Box N is grey colour. Box M is neither yellow nor white. Box O is blue colour, but it is not the heaviest box. White colour box is heavier than yellow box but not heavy as green colour box.

Q216. Which of the following box is the heaviest box?
(a) P
(b) Q
(c) O
(d) R
(e) N

Q217. Which of the following box is yellow colour?
(a) R
(b) M
(c) P
(d) Q
(e) None of these

Q218. Which of the following box is second lightest box?
(a) Grey colour box
(b) M
(c) Blue colour box
(d) P
(e) Q

Direction (219-220): 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.

Q219. How X is related to Y?
(a) Uncle
(b) Brother
(c) Mother
(d) Sister
(e) Grandson

Q220. Who among the following is the father of W?
(a) U
(b) T
(c) X
(d) Y
(e) None of these

Directions (221-225): 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-
(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.

Q221. Statements: A>G<J, I≤D, J<O=K>D.
Conclusions: I. G>D   II. O>I

Q222. Statements: P≥W≤Z, W>K, Q>O<Z
Conclusions: I. W>Q   II. Z>K

Q223. Statements: B≥L<J>O, E>Y<L
Conclusions: I. B>Y   II. J>Y

Q224. Statements: T>O<A<Q≥M>N<V
Conclusions: I. T>N   II. A>M

Q225. Statements: B>Q≥R, Z>T≥R>J
Conclusions: I. B > J   II. Z > Q

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