

BOOKS



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

Certain number of persons are sitting around a circular table, which has a circumference of 546 cm. All the persons are facing towards the center. They are sitting at distances to each other which are consecutive multiple of six. A is 3rd to the left of I. Two persons are sitting between K and I. M is immediate right to L. H sits to the left of G at a distance of 72 cm. The distance between A and D is 18 cm. The number of persons sitting between J and B is same as between B and F. The distance between E and F is LCM of 6 and 5. Neither M nor L is neighbor of K and H. The number of persons sitting between C and I is same as between I and E. The distance between K and I is not more than 162cm. Either C or E is neighbor of K.

Q1. Which of the following represents the distance between B and F?

- (a) 144
- (b) 72
- (c) 99
- (d) 108
- (e) none of these

Q2. Who among the following are immediate neighbor of J?

- (a) K, L
- (b) G, A
- (c) H, M
- (d) F, D
- (e) none of these

Q3. Who among the following sits 4th to the right of the one who is 6th to the left of A?

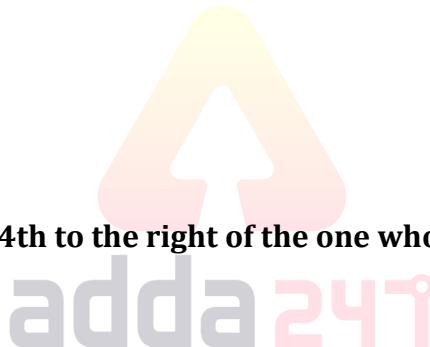
- (a) K
- (b) G
- (c) H
- (d) D
- (e) none of these

Q4. Which of the following represents the distance between H and L?

- (a) 144
- (b) 180
- (c) 345
- (d) 108
- (e) none of these

Q5. Four of the following belongs to a group find the one that does not belong to that group?

- (a) B, C
- (b) M, J
- (c) I, D
- (d) K, E
- (e) L, M



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Q6. Statement "Beware! Recycled coloured plastic bags contain harmful colour pigments, which on coming in contact with food particles, make food unfit for consumption, resulting in severe food poison, allergies and in extreme cases even death." –A scientist.

Assumptions

- i. Non-biodegradability nature makes plastic bags an environmental hazard.
 - ii. Use of recycled coloured plastic bags is harmful and has cascading effects on human life
- (a) Only (i)
 - (b) Both (ii) and (ii)
 - (c) Only (ii)
 - (d) Either (i) or (ii)
 - (e) None of these

Q7. It has been reported in recent years that a very large number of seats in the engineering colleges in the country remain vacant at the end of the admission session.

Which of the following may be the probable cause of the above effect?

- (a) There has been a considerable decrease in hiring of engineering graduates due to economic slowdown in the recent years
- (b) Students have always preferred to complete graduation in three years time instead of four years for engineering
- (c) The Government has recently decided to provide post qualification professional training to all engineering graduates at its own cost
- (d) There has always been a very poor success rate among the engineering students
- (e) None of the above

Q8. The condition of the roads in the city has deteriorated considerably during the first two months of monsoon and most of the roads have developed big pot holes.

Which of the following can be a possible effect of the above cause?

- (a) The municipal corporation had repaired all the roads in the city before onset of monsoon with good quality material
- (b) A large number of people have developed spine related injuries after regularly commuting long distances by road within the city
- (c) The municipal corporation has been careful in choosing the contractors for repairing roads in the past
- (d) People always complain about potholed roads during the monsoon months
- (e) None of the above

Direction (9-13): Study the information carefully and answer the questions given below.

There is 3*5 matrix which can produce signals which in turn help in the illumination of some bulbs. The row of the matrix are denoted by @, % and # from bottom to top and the columns are denoted by the alphabets A, B, C D and E from left to right.

@ row contains number which are consecutive multiple of 7, starting from 28 (from left to right).

% row contains number which are consecutive multiple of 11, starting from 11 (from left to right).

row contains number which are consecutive multiple of 13, starting from 13 (from left to right).

The matrix helps in producing signals which can be either a single string of number X- or two-line string X and Y.

There are 4 lights P, Q, R and S. Based on the outcome of the strings mentioned above one of the light blinks.

Condition for blink:

1. If the outcome is below 85, then P will blink
2. If outcome range is 85-110, then Q blinks
3. If outcome range is 111-210, then R blinks
4. If outcome is greater than 210, then S blinks

For outcome of the string:

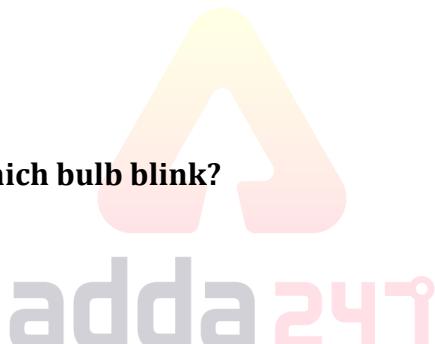
1. If the string has all even numbers, then outcome of the string is obtained by adding all the numbers.
2. If an odd number is followed by an even number then the one's places of all the two-digit numbers are deleted and, tenth place are multiplied to get the outcome
3. If the string contains 2 prime number, then the tenth's place is deleted from each of the two-digit number and remaining number are multiplied.
4. If no above logic is followed, then simple outcome is addition of the numbers.

Q9. If $x = \#C \%D \#A \#E$, then which bulb blink?

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

Q10. If $X = @A @C \#D \%B$, then which bulb blink?

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

**Q11. If $X = \#A\%E \%A @B$, then which bulb blink?**

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

Q12. If $X = @A\#B@D%C$, then which bulb blink?

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

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Q13. If X = @E#D@D#E, then which bulb blink?

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

Direction (14-18): In the following questions, the symbols #, &, @ and \$ are used with the following meanings as illustrated below. Study the following information and answer the given questions:

Note: The directions which are given indicates exact directions.

P#Q - P is in the south direction of Q.

P@Q - P is in the north direction of Q.

P&Q - P is in the east direction of Q.

P\$Q - P is in the west direction of Q.

P£QS- P is the mid-point of QS vertically.

Note- For southeast direction it used to be written as P#&Q and so on...

When it is given that the Car honks once then it will be considered as the car taken a left turn and if it is given as the car honks twice then it will be considered as the car takes a right turn.

Point S is &15m of point B. Point J is @33m of point S. Point K is @25m of point B. Point L is \$20m of point K. Point Q is #40m of point L. Point F is &40m point Q. Point E£DF. Point D is @30m of Point F.

Q14. What distance the car has to travel from point D to reach the airplane which is parked at point J?



- (a) 22m
- (b) 50 m
- (c) 43 m
- (d) 23m
- (e) 35m

Q15. What could the possible shortest route to reach point K from point J?

- (a) Started in east till 15km, honks once, cover 8km
- (b) Started in west till 15km, honks twice, cover 8km
- (c) Started in south till 25km, honks once, cover 8km
- (d) Started in north till 5km, honks once, cover 8km
- (e) Started in west till 15km, honks once, cover 8km

Q16. Point D is in which direction from point Q?

- (a) #
- (b) @\$
- (c) #\$
- (d) @&
- (e) #&

Q17. If Point U is #15m of point B then which of the following is the position of U with respect to F?

- (a) @, 24m
- (b) \$, 25 m
- (c) #, 15 m
- (d) \$, 20m
- (e) None of these

Q18. Point E is in which direction from point B?

- (a) #
- (b) @
- (c) \$
- (d) &
- (e) #&

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Directions (19-23): Study the following information carefully to answer the given questions:

There are six employees A, B, C, D, E, F of a company and all of them are working on six different designation of a company viz. CMD, MD, CEO, COO, SE, JE. All the designations given are to be considered in a given order (as CMD is considered as Senior-most and JE is considered as the Junior-most). Only two persons are senior than A. The one who is junior than only one person likes Litchi. The one who likes Mango is senior than B. F likes Guava and is junior than B. B does not like Litchi. C is senior to the one who likes Kiwi. The one who likes Kiwi is not JE. The one who is JE neither likes Banana nor Grapes. D does not like Litchi and also is not SE. E does not like Kiwi and is junior than C but senior than F. D is junior than the one who likes Banana. C is not junior than the one who likes Grapes. The one who likes Kiwi is just junior than D. A does not like Banana. The one who likes Grapes is senior than the one who likes Mango.

Q19. Who among the following is JE of the company?

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

Q20. Who among the following likes Grapes?

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

Q21. How many persons are junior than B?

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

Q22. The one who is CMD like which among the following fruit?

- (a) Guava
- (b) Mango
- (c) Kiwi
- (d) Grapes
- (e) Banana

Q23. Who among the following is just junior than A?

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

Directions (24-28): Study the following information carefully and answer the questions given below.

Six persons J, L, R, O, X, Z of a family born in six different years 1978, 1982, 1995, 1997, 2013 and 2015. (All the ages of the given persons have been calculated on base year 2018 and all the persons are considered to be born on same date of same month). There is a difference of 18 years between the ages of O and J. O is the father of J. L is younger than R. X is not the oldest person of the family. R is not married to Z. Z was born in an even numbered year. L is the only granddaughter of the mother of O. Father of O is 4 years older than O's mother. J is the son of R.

Q24. How is L related to X?

- (a) grand father
- (b) grand mother
- (c) grand daughter
- (d) grand son
- (e) none of these

Q25. Who among the following born in 1982?

- (a) O
- (b) R
- (c) X
- (d) J
- (e) L

Q26. R was born in which of the following year?

- (a) 1997
- (b) 2015
- (c) 2013
- (d) 1982
- (e) None of these

Q27. How is R related to Z?

- (a) Daughter-in-law
- (b) mother
- (c) aunt
- (d) Daughter
- (e) none of these

Q28. Four of the five are alike in a certain way and hence form a group, which among the following does not belong to the group?

- (a) O
- (b) R
- (c) X
- (d) J
- (e) L

Directions (29-31): Study the given information carefully and answer the given questions.

Ten persons are sitting in two parallel rows. P, Q, R, S, T are sitting in row-1 facing north while K, L, M, N, O are sitting in row-2 faces south.

- I. P sits second to the right of Q. O sits immediate left of M. O does not sit opposite to S and Q.
- II. Only one person sit between L and M. L does not sit opposite to R and S. K sits opposite to T.
- III. P does not sit opposite to L and O. N sits second to the right of K. R does not sit at extreme left end. Only two persons sit between S and P.

Each of the questions below, consist of a question and three statements numbered I, II and III. You have to decide whether the data provided in the statements are sufficient to answer the question.

- (a) If the data in statement I and II together are sufficient to answer the question, while the data in statement III are not required to answer the question.
- (b) If the data in statement I and III together are sufficient to answer the question, while the data in statement II are not required to answer the question.
- (c) If the data in statement II and III are sufficient to answer the question, while the data in statement I are not required to answer the question.
- (d) If the data in all three statements I, II and III together are necessary to answer the question.
- (e) If the data in all the statements, I, II and III even together are not sufficient to answer the question.
(Read the three statements and Give answer)

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Q29. Who among the following sit opposite to L?

Q30. How many persons are sitting between R and S?

Q31. Who among the following sit at extreme right end of row-2?

Q32. Disaster management systems can safeguard India's heritage from climate changes. India is a signatory to the 2015 Sendai Framework for Disaster Risk Reduction, which recognizes that the State has the primary role in reducing disaster risk, terrorism related issues and identifies heritage as a priority area.

Which of the following negates the given statement?

(I) The authority's report also has detailed guidelines for museums on the systems that need to be put in place to tackle different kinds of threats.

(II) The first-of-its-kind analysis by the National Disaster Management Authority (NDMA) of the threats shows that India's museums face lists terrorism; climate-related events such as floods, earthquakes and tsunamis; and vandalism.

(III) Climate-related issues such as floods, earthquakes are not a matter of concern for Indian Heritage.

- (a) Only (III)
- (b) Only (II)
- (c) Only (I)
- (d) Both (II) and (III)
- (e) None of these

Direction (33-37): Study the following information carefully and answer the given questions:



In coded language

"tradition festival iconic" is coded as – '8X 9J 6XJ'

"aesthetic recreate vibe" is coded as – '8E 9VJ 4W'

"creative emerging shine" is coded as – '8NO 5K 8C'

Q33. What can be the code of 'during autumn'?

- (a) 6M 7FN
- (b) 6M 6FN
- (c) 6K 6FN
- (d) 6K 6EM
- (e) None of these

Q34. What can be the code of 'Impulse Response'?

- (a) 7NT 7F
- (b) 8T 7NR
- (c) 8F 7MT
- (d) 7NT 8F
- (e) None of these

Q35. What can be the code of 'Vibrant Ocean'?

- (a) 5XB 7J
- (b) 5XB 7K
- (c) 5XZ 7M
- (d) 5YB 7K
- (e) None of these

Q36. What can be the code of 'Ideal Journey'?

- (a) 5WC 7T
- (b) 5FB 7T
- (c) 5WC 7V
- (d) 5FB 7V
- (e) 5WB 7T

Q37. What can be the code of 'Enough Rise'?

- (a) 6NF 4F
- (b) 6MH 4F
- (c) 6MF 4D
- (d) 6MH 4H
- (e) None of these

Direction (38-39): In each of the following questions, two statements numbered I and II are given. There may be cause and effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements in each question and mark your answer as-

- (a) If statements I is the cause and statement II is its effect.
- (b) If statements II is the cause and statement I is its effect.
- (c) If both the statements I and II are independent causes.
- (d) If both the statements I and II are effects of independent causes.
- (e) If both the statements I and II are effects of some common cause.

Q38. Statement I- Infosys, among India's largest software services companies, said it plans to hire 10,000 American workers over the next two years.

Statement II-In filling these jobs, Infosys will hire experienced technology professionals and recent graduates from major universities, and local and community colleges, and the talent pools will be created in the future.

Q39. Statement I- Aadhar has become mandatory for filing income tax returns with PAN card.

Statement II-PAN has become more and more susceptible to duplication and fraud.

Q40. Statement- According to the latest research-“Few people openly admit to holding racist beliefs on the basis of color but many psychologists claim most of us are nonetheless unintentionally racist. We hold, what are called “implicit biases”.

One the basis of the information provided in the above statement, which of the following defines the term “implicit bias” most accurately?

- (i) A slight automatic preference for white people over black people.
 - (ii) Preference for white people over black people.
 - (iii) Discriminating against a particular community on the basis of colour.
- (a) Only (i)
 - (b) Both (ii) and (iii)
 - (c) Only (ii)
 - (d) Only (iii)
 - (e) None of these.

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

There are fifteen people live on different floors in the given three building X, Y and Z such that each of the floor of the building is occupied by the given person. **Building X is immediate west of building Y, which is immediate west to building Z.** In the building ground floor is numbered as 1, above it is floor 2 and so on... In the building floor-1 of building Y is immediate east of floor-1 of building X but immediate west of floor-1 of building Z and so on..

Note: A is west to B does not mean A is immediate west to B. Above or below does not mean in the same building.

N lives to the west of L on 3rd floor. M is immediate west to I. K is immediate east to E. A lives on the top floor of the building such that none of the person lives above A in any of the building. The number of floors between J and H is same as between H and I. I lives below J. The one who is either immediate above or immediate below N is immediate left to B. Two persons live between B and M. M lives in the same building as B. B does not live in the same building as J. **Building Z** has more number of floor than **building Y** but less than **building X**. H is not in the same building as L. Two persons live between D and C. F live to the west of G. D lives above O, but in the same building. D does not live on the even number floor.

Q41. How many persons are living above B in the same building?

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

Q42. Who among the following lives to the immediate east of F?

- (a) L
- (b) J
- (c) H
- (d) B
- (e) A

Q43. Which of the following true regarding O?

- (a) Lives in the same building as L
- (b) lives on 2nd floor
- (c) lives to the west of G
- (d) all are true
- (e) none is true

Q44. On which of the following floor does C live?

- (a) 3rd
- (b) 1st
- (c) 2nd
- (d) 4th
- (e) none of follows

Q45. Who among the following lives just above N in the same building?

- (a) L
- (b) F
- (c) H
- (d) B
- (e) A



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