

REASONING

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

Sixteen persons are sitting in two parallel rows containing four sofas in each row in such a way that there is an equal distance between adjacent sofas. In the first row, eight persons i.e. A, B, C, D, E, F, G and H are seated and all of them are facing south. In the second row, eight persons i.e. P, Q, R, S, T, U, V and W are seated and all of them are facing north. Therefore, in the given seating arrangement, each person seated in a row faces another person of the other row. Two persons sit on each sofa.

Three persons sit between D and G. H sits between A and E. F faces to S. B sits on the extreme right end Sofa. Three persons sit between A and B. W faces to A. Two persons sit between P and W. Persons sit to the left of P is one less than the persons sit to the right of Q. E sits diagonally opposite to R. More than one person sit between B and E. V sits immediate left of U. Only one person sits between U and W. No one sit between D and F.

1. Who among the following faces to C?

- (A) R (B) V (C) Q (D) P
(E) W

2. How many persons sit between V and T?

- (A) One (B) None
(C) More than three (D) Three
(E) None of these

3. What is the position of C with respect to H?

- (A) 5th to the right (B) 4th to the right
(C) 3rd to the left (D) 4th to the left
(E) 2nd to the right

4. The number of persons sit between P and V is same as the number of persons sit between H and _____?

- (A) A (B) B (C) C (D) D
(E) None of these

5. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (A) E (B) U (C) R (D) S
(E) G

Direction (6-10):- Study the following information carefully and answer the given questions.

A word and number arrangement machine when given an input line of words and numbers, rearranges them following a particular hide in each step. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers).

Input: monk 79 bill rock 34 73 hole 80 sand fog 22 jam 60 99

Step I: sand 99 monk 79 bill rock 34 73 hole 80 fog 22 jam 60

Step II: sand rock 99 80 monk 79 bill 34 73 hole fog 22 jam 60

Step III: sand rock monk 99 80 79 bill 34 73 hole fog 22 jam 60

Step IV: sand rock monk 99 80 79 jam 73 bill 34 hole fog 22 60

Step V: sand rock monk 99 80 79 jam hole 73 60 bill 34 fog 22

Step VI: sand rock monk 99 80 79 jam hole fog 73 60 34 bill 22

And Step VI is the last step of the above input, as the desired arrangement is obtained.

As per the followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input: 23 mat belt 50 car 36 73 hay 66 owl 40 sell fool 47

(All the numbers are two digits numbers.)

6. How many elements (words or numbers) are there between '50' and '36' in the sixth step?

- (A) Three (B) Four (C) Two (D) Five
(E) Six

7. What is the difference between the sum of first set of three numbers and the sum of next set of three numbers in the last step?

- (A) 87 (B) 66 (C) 94 (D) 38
(E) 59

8. Which of the following output step represents the pairs - hay 47; car 36 in the same order?

- (A) Step IV (B) Step VII (C) Step V (D) Step VI
(E) No such step

9. Which step number is the following output?

sell owl mat 73 66 50 hay fool car 47 40 36 belt 23

- (A) Step IV (B) Step VI (C) Step III (D) Step VII
(E) Step VIII

10. In which step are '47 23 belt car' found in same order?

- (A) Step V (B) Step IV (C) Step VI (D) Step III
(E) No such step

DIRECTION (11-13):- Study the following information carefully and answer the given questions.

In certain coding language, the directions are coded as per below conditions.

A@B means - A is North of B

A%B means - A is South of B

A#B means - A is East of B

A\$B means - A is West of B

@ and \$ means the distance between the two points is either 4m or 8m.

% and # means the distance between the two points is either 3m or 7m.

AB > CD Means the distance between point A and B is greater than that of between point C and D.

Example: A @ B means A is north of B and the distance between A and B is either 4m or 8m and so on.

Condition:

M#B, U%B, R@V, D#V, R\$U, D@W, P#W, MB > WP, VD > RU

11. In which direction point P with respect to point M?

- (A) North (B) West (C) South (D) North-East
(E) South-West

12. What may be the maximum possible distance between point R and point P?

- (A) 15 m (B) 26 m (C) 24 m (D) 23 m
(E) 25 m

13. If RV > VD, then what is the shortest distance between Point D and Point R?

- (A) $\sqrt{111}$ m (B) $\sqrt{113}$ m (C) 21 m (D) $\sqrt{121}$ m
(E) None of these

DIRECTION (14-15):- 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 with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

14. Statements:

Only a few Brown are Pink.
Only a few Pink are Green.
Only Green are Red.

Conclusions:

- I. Some Red can be Pink.
II. All Pink can be Green.
III. No Brown is Red.

- (A) Only II follow (B) Only I and II follows
(C) Only II and III follows (D) All I, II and III follows
(E) Only III Follow

15. Statements:

Only a few Web are Series.
No Series is Movie.
All Movie are PVR.

Conclusions:

- I. Some Web are not Movie.
II. All Series being PVR is a possibility.
III. Some Movie is definitely Web.

- (A) Only I and III follows (B) Only I and II follows
(C) Only II and III follows (D) All I, II and III follows
(E) None follows

Direction (16-20):- Read the information carefully and answer the following.

Eight employees viz. Smith, Jones, Ritika, Kavita, Sachin, Roy, Yogi and Davis are working in a company and their expenditure and Saving list is given as 5, 15, 20, 30, 45, 50, 60, 75. Every person has different expenditure and savings.

Difference between the expenditure and savings of Smith is equal to the savings of Roy. Savings of Davis is equal to the thrice of his expenditure. Savings of Kavita is 10 less than the expenditure of Kavita. Sum of expenditure of Yogi and Davis is equal to the expenditure of Jones which is less than savings of Ritika. Sum of savings of Jones and Davis is equal to the expenditure of Sachin.

Expenditure of Kavita is 15 more than the expenditure of Jones. Expenditure of Davis is less than that of Smith. Savings of Kavita is same as expenditure of Roy but 10 less than the savings of Sachin. Sum of savings of Jones and Yogi is equal to the savings of Kavita. Sachin spends more money than any other person.

(Income = Expenditure + Saving + 10000)

16. What is the savings of Ritika?

- (A) 50,000 (B) 75,000 (C) 30,000 (D) 5000
(E) 15,000

17. What is the income of Kavita?

- (A) 1,11,000 (B) 85,000 (C) 1,00,000 (D) 1,05,000
(E) 1,20,000

18. If income of Roy is 65000, then what would be the savings of Smith?

- (A) 15000 (B) 20000 (C) 5000 (D) 60000
(E) Cannot be determined

19. What is the Difference between the Expenditure of Jones and Yogi?

- (A) 10000 (B) 12000 (C) 15000 (D) 25000
(E) Either a or b

20. Who among the following has least expenditure?

- (A) Smith (B) Jones (C) Davis (D) Ritika
(E) Sachin

DIRECTION (21-24):-Read the information carefully and answer the following.

There are two rows given and to find out the resultant of a particular row we need to follow the following steps: -

Step 1: If an odd number is followed by an even number then the resultant will be the addition of both the numbers.

Step 2: If an even number is followed by a perfect square (excluding 1) then the resultant will be the positive difference of that square number and the even number.

Step 3: If an even number is followed by another even number (but not a perfect square) then the resultant will be the addition of both the numbers.

Step 4: If an even number is followed by an odd number (but not a perfect square) then the resultant comes by multiplying the numbers.

Step 5: If an odd number is followed by another odd number then the resultant will be the division of first number by the second number.

21. Find the sum of the resultant of two rows?

5	4	3
6	5	8

- (A) 22 (B) 41 (C) 34 (D) 45
(E) None of these

22. Find the difference between the resultant of first and second row.

12	36	14
9	12	7

- (A) 38 (B) 32 (C) 34 (D) 35
(E) None of the above

23. Find the value X if the multiplication of the resultant of two rows is 2784?

14	18	3
7	16	X

- (A) 10 (B) 11 (C) 9 (D) 6
(E) None of these

24. Find the multiplication of the resultant of two rows?

9	14	8
6	8	3

- (A) 1112 (B) 1102 (C) 1302 (D) 1312
(E) 1110

25. If all the vowels of the word 'AMALGAMATION' are replaced by its succeeding letter according to the English alphabet and all the consonant are replaced with their previous letter according to the English alphabet and then all the letters are arranged in the alphabetical order the how many letters are there between the fifth letter from the left and second letter from the right in the English alphabetic series?

- (A) 11 (B) 10 (C) 9 (D) 8
(E) None of these

26. The question below is given two statements I and II. These statements may be either independent causes or maybe the effects of independent causes or a common cause. One of the statements may be the effect of the other statements. Read both the statements and

decide which of the answer choice correctly depicts the relationship between these two statements.

Statements:

I. Scientists in Country B are finding ways to create freshwater out of chemical molecules. So far their experiments have not yielded fruitful results.

II. Country C has successfully experimented with the seawater and converted it into freshwater with the help of the osmosis process. They are auctioning their technology at a very high price on the world market.

- (A) Statement I is the cause and statement II is the effect.
(B) Statement II is the cause and statement I is the effect.
(C) Both statements are independent causes.
(D) Both the statements are effects of independent causes.
(E) Both the statements are effects of some common cause.

27. The critical reasoning question is based on a short argument, a set of statements, or a plan of action. For each question, select the best answer of the choices given and explain why the chosen answer is the right fit.

Statements: People are starting to realize the importance of financial awareness and have initiated economic exploration drives and campaigns promoting micro-economy's impact on the overall economy of the country. Individual awareness and responsible actions on a personal level can help improve the stability and expedite the growth of the economy.

Which of the following can be implied from the given text?

- (A) The micro-economy and small scale financial explorations can help in the country's economic growth.
(B) The country's economy is unstable and requires management and revision.
(C) The management of individual finance can help the country's economy to grow.
(D) The growth of an economy depends upon the individual financial management of the people.
(E) None of the above.

28. A statement is given followed by two inferences I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given inferences, if any, follow from the given statement.

Statement:

The lifeline of Mumbai is its public transport. A group of commuters of the Mumbai suburban railways called for a strike in response to the increase in the number of accidents in that route in the past one year due to overcrowding. The commuters want to continue the strike unless the authorities agree to increase the frequency of the trains in proportion to the number of customers using the route.

Which of the following can be inferred from the above statement?

Inferences:

I. The railway authorities are indifferent to the safety of commuters
II. The railway did not increase the frequency in proportion to the increase in the number of commuters in the past one year.

- (A) Only I follows (B) Only II follows
(C) Both I and II follow (D) Either I or II follows
(E) Neither I nor II follows

29. The question consists of 2 statements, an assertion and a reason. The reader must determine whether each statement is true and then whether the reason holds true to the assertion.

Assertion- A. Mercury is the hottest planet in our solar system.

Reason- R. The distance of planets from the sun influences their temperature.

- (A) Both A and R are true and R is correct explanation of A.
(B) Both A and R are true and R is not the correct explanation of A.
(C) A is true but R is false.
(D) A is false but R is true.
(E) Both A and R are false.

30. The question consists of statement and two assumptions. The student must first determine whether each statement is true. Choose the appropriate option after reading the three statements carefully.

Statement: The government may reduce the export duty on Basmati rice, in view of competition from Pakistan in the international market.

Assumptions:

I. Reduction in export duty leads to increase in exports.

II. Pakistan is an exporter of Basmati rice.

- (A) Only I is implicit (B) Only II is implicit
(C) Both I and II are implicit (D) Either I or II implicit
(E) Neither I nor II implicit

DIRECTION (31-35):-Study the following information carefully and answer the questions given below.

There are Twelve persons who live on four different floors of a same building. Ground floor is number 1, floor above it is numbered 2 and so on till top floor which is numbered four. There are three flats on each floor- flat-1, flat-2 and flat-3 from west to east. Such that flat-1 of fourth floor is exactly above flat-1 of third floor which is exactly above flat-1 of second floor and other flats are placed in the same way. Flat-2 of fourth floor is west to flat 3 and east of flat-1 of same floor.

L lives East of M. F who doesn't live on even numbered floor lives North to L. B lives North-east to M as well as South-west to D. J lives West of H. One floor gap is between G and K who doesn't live West of F. A lives above E who lives East of B. K lives above C and below A who live to South of J. G does not live in an even numbered flat.

31. Who among the following live between the one who lives in Flat 1 of 3rd floor and the one who lives in Flat 3 of same floor?

- (A) J (B) H (C) F (D) E
(E) C

32. Which of the following combination is correct regarding J?

- (A) Flat 2, Floor 1 (B) Flat 1, Floor 2
(C) Flat 1, Floor 4 (D) Flat 3, Floor 2
(E) None of these

33. In which of the following direction H lives with respect to M?

- (A) South (B) North (C) South-West (D) North-East
(E) Can't be determined

34. Who among the following live to the South West of E?

- (A) L (B) H (C) J (D) B
(E) K

35. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (A) J, H, E (B) A, D, F (C) F, C, L (D) G, E, M

(E) A, B, K

Direction (36-40):- Answer the questions based on the sequence of numbers, alphabets and symbols given.

1 # W \$ 4 S \$ D & * 2 7 ! A H 4 % 8 @ ! 5 3 L 9 F @ Q \$ 6 <

There are certain operations which are to be applied, and then mark your answer accordingly.

1) If each letter in A-Z alphabetical series is represented by number 1-26 respectively, then each number in the series is replaced by the alphabet as per its represented number.

2) If each letter in A-Z alphabetical series is represented by number 1-26 respectively, then only first nine letters of A-Z alphabetical series is replaced by its represented number and other letters will remain same.

3) Symbols '\$' and '@' are replaced by a symbol '<'.

36. How many such numbers are there in the series which are preceded by a symbol?

- (A) None (B) One (C) Two (D) Three
(E) Four

37. How many such alphabets are there in the series which are followed by an alphabet only?

- (A) 3 (B) 4 (C) 5 (D) 7
(E) 8

38. How many alphabets are there in the series?

- (A) 8 (B) 10 (C) 12 (D) 14
(E) 15

39. How many numbers are there in the series?

- (A) Three (B) Four (C) Seven (D) Nine
(E) Ten

40. How many such numbers/alphabets are there in the series which are immediately preceded and followed by a symbol '<'?

- (A) None (B) One (C) Two (D) Three
(E) Four

DIRECTION (41-45):- In 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 and Give answer.

41. Six persons M, N, O, P, Q and R paint their house in different days from Monday to Saturday of the same week but not necessarily in the same order. Who among the following paint his house on Wednesday?

Statements:

I. Only one person paint his house after N. Two days gap between when M and Q paint their house.

II. P paint his house after N. O paint his house before the day Q paints. At least one day gap between the days when M and R paints.

(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 given in both statements I and II together are not sufficient to answer the question and

(E) If the data in both statements I and II together are necessary to answer the question.

42. Seven persons i.e. A, B, C, D, E, F, and G are sitting in a row facing north but not necessarily in the same order. Who among the following sits 2nd to the right of F?

Statements:

I. A sits one of the extreme ends of the row. Three persons sit between A and G.

II. D sits immediate left of G. Two persons sit between C and F. E doesn't sit at any of the extreme end.

(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 given in both statements I and II together are not sufficient to answer the question and

(E) If the data in both statements I and II together are necessary to answer the question.

43. Five friends F, G, H, K and L like different colors viz. White, Red, Purple, Black and Pink but not necessarily in the same order. Find who among the following likes Purple color?

Statements:

I. Among G, H and K no one like Red. G neither like Pink nor Black.

II. H is neither like Pink nor Purple. K does not like Purple.

(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 given in both statements I and II together are not sufficient to answer the question and

(E) If the data in both statements I and II together are necessary to answer the question.

44. In a certain code language How the word "Letter" is coded?

Statements:

I. "marriage letter from court" is coded as "sdfgr da" and "receive joining letter from" is coded as "cg nbfr gr"

II. "message receive by court" is coded as "tjpl da cg" and "working from home" is coded as "qssw gr"

(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 given in both statements I and II together are not sufficient to answer the question and

QUANTITATIVE APTITUDE

(E) If the data in both statements I and II together are necessary to answer the question.

45. Six friends P, Q, R, S, T, and U are sitting in row according to their age in descending order from left to right but not necessarily in the same order. Find who among the following is 2nd youngest?

Statements:

I. At least two people are older than T. Q is older than U but younger than P.

II. S is older than P but younger than R. P is younger than T.

(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 given in both statements I and II together are not sufficient to answer the question and

(E) If the data in both statements I and II together are necessary to answer the question.

DIRECTION (46-50):- Study the following information carefully and answer the questions given below:

Eight persons are sitting around a circular table and each of them like different colors. Some of them are facing towards the center while some are facing away from the center. W likes Pink and faces to the one who likes Blue. One person sits between W and the one who likes White. U is an immediate neighbor of W. Q does not sit near to the one who likes White. Q sits 2nd to the right of U. Q and S faces to each other's. Both U and W faces opposite direction to each other. Three persons sit between R and the one who likes Black. V likes violet and sits opposite to the one who likes Magenta. There is one person sits between P and T, who sits immediate left of the one who likes Green. The one who likes Purple faces opposite direction with respect to P and R. Both V and T faces in the same direction. T doesn't like Blue. The one who likes Black colour faces opposite direction with respect to the one who likes White colour.

46. How many persons sit between P and U, when counted Clockwise direction from P?

- (A) Four (B) Either (A) or (E)
(C) Three (D) One
(E) Two

47. If all the persons are sitting in alphabetical order in clockwise direction from P, then find how many persons remains at the same position (excluding P)?

- (A) Three (B) One (C) Four (D) Two
(E) None

48. Who among the following likes Blue?

- (A) R (B) S (C) P (D) Q
(E) None of these

49. Who among the following sits opposite to V?

- (A) Q (B) P (C) U (D) W
(E) None of these

50. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (A) S (B) T (C) W (D) Q (E) R

DIRECTION (51-55):-Read the given information carefully and answer the following questions.

Arun & Veer invested Rs. 60,000 and Rs. 90,000 respectively. Arun invested for 15 months while Veer invested for 8 months and the difference between profit share of Arun and Veer is Rs.10000. Arun invested his profit share at 20% p.a on CI for 1.5 years and he bought a bike from the amount he received. Veer bought two laptops L₁ & L₂ (both laptops have equal price) from the amount which he received after investing his profit share at 15% p.a on SI for 2 years. Veer sold L₁ & L₂ at 10% and 15% profit respectively while Arun sold his bike at 5% loss.

51. Veer invested money (which he gets from the profit of that two laptops) in a scheme at the rate of 10% p.a on simple interest for 4 years. What is the interest he received?

- (A) Rs. 2800 (B) Rs. 2600 (C) Rs. 2500 (D) Rs. 2750
(E) Rs. 3000

52. If the price of Bike depreciates 15% every year, then what will be the price of bike after 2 years?

- (A) Rs. 47,685 (B) Rs. 49,675
(C) Rs. 48,025 (D) Rs. 47,515
(E) Rs. 48,195

53. If the marked price of laptop L₁ is 40% more than its cost price and the selling price of L₁ is Rs. 2600 more than its earlier selling price, then what is the discount percentage given on L₁?

- (A) $8\frac{4}{7}\%$ (B) $11\frac{3}{7}\%$ (C) 10% (D) $14\frac{2}{7}\%$
(E) $7\frac{9}{13}\%$

54. The total amount received by Arun on selling that bike and the total amount received by veer on selling both the laptops together is how much more or less than the 108% of total cost price of all the three items together?

- (A) Rs. 6040 (B) Rs. 6180 (C) Rs. 6240 (D) Rs. 6340
(E) Rs. 6380

55. In the above passage, if the difference between profit share of Arun and Veer is Rs. 11000 instead of Rs. 10000, then what will be the change in the net profit earned on all the three items together? (Rest all information remains same)

- (A) Rs. 120 (B) Rs. 320 (C) Rs. 220 (D) Rs. 520
(E) Rs. 420

DIRECTION (56-60):- In the given question, two equations numbered I and II are given. You have to solve both the equations and mark the appropriate answer.

56. I. $6m^2 - 29m + 35 = 0$

II. $n = m + 1$

- (A) $m > n$ (B) $n \leq m$ (C) $n \geq m$ (D) $m < n$

(E) Either $m = n$ or Relationship between m and n cannot be established.

57. I. $2m^2 - 5m + 3 = 0$

II. $n = \sqrt{2.25}$

- (A) $m > n$ (B) $n \leq m$ (C) $n \geq m$ (D) $m < n$

(E) Either $m = n$ or Relationship between m and n cannot be established.

58. I. $15m^2 - 34m + 16 = 0$

II. $n^2 = \sqrt{\frac{16}{81}}$

- (A) $m > n$ (B) $n \leq m$ (C) $n \geq m$ (D) $m < n$
(E) Either $m = n$ or Relationship between m and n cannot be established.

59. I. $12m^2 - 25m + 12 = 0$

II. $m \times n = 1$

- (A) $m > n$ (B) $n \leq m$ (C) $n \geq m$ (D) $m < n$
(E) Either $m = n$ or Relationship between m and n cannot be established.

60. I. $2m^2 - 11m + 14 = 0$

II. $3n^2 - 7n - 3 = 8n - 3n^2 - 9$

- (A) $m > n$ (B) $n \leq m$ (C) $n \geq m$ (D) $m < n$
(E) Either $m = n$ or Relationship between m and n cannot be established.

DIRECTION (61-65):- Find the wrong number in the following number series given below.

61. 5, 86, 174, 276, 399, 558, 736

- (A) 276 (B) 736 (C) 558 (D) 86
(E) 399

62. 9, 4.5, 6.5, 14, 57, 457, 7313

- (A) 4.5 (B) 57 (C) 457 (D) 9
(E) 7313

63. 1728, 998, 1511, 1167, 1384, 1260, 1323

- (A) 998 (B) 1511 (C) 1323 (D) 1167
(E) 1260

64. 2.5, 60, 720, 4320, 12960, 19480, 14580

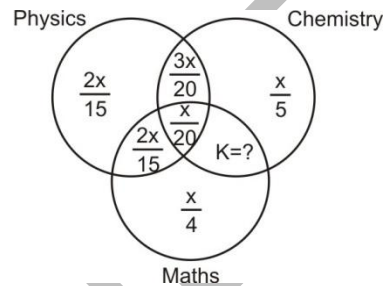
- (A) 720 (B) 4320 (C) 12960 (D) 19480
(E) 14580

65. 11.5, 34, 58, 85, 116.5, 154, 200

- (A) 200 (B) 85 (C) 116.5 (D) 154
(E) 34

Directions (66-70):- Study the following information carefully and answer the questions given below.

A total of x students appeared in a class test consisting of three papers, viz Physics, Chemistry and Maths. The following Venn diagram shows the number of students who passed these three papers. None of the students failed in all the three papers together. Answer given question based on this diagram.



66. How many students are there who passed in chemistry and maths but failed in Physics?

- (A) $x/6$ (B) $x/12$ (C) $x/20$ (D) $x/5$
(E) None of these

67. What is the difference between the number of students who passed in Chemistry and the number of students who passed in

Physics? (The number of students who passed in all the three papers is 15.)

- (A) 5 (B) 10 (C) 15 (D) 20
(E) None of these

68. How many students are there who passed in exactly one paper, if the number of students who passed in exactly two papers is 110.

- (A) 160 (B) 165 (C) 170 (D) 175
(E) 180

69. The number of students who passed in only Maths is what percentage more than the number of students who passed in all the three papers?

- (A) 20% (B) 80% (C) 120% (D) 200%
(E) 400%

70. The number of students who passed in at least two papers is what percentage of the total number of students?

- (A) 67/2% (B) 125/3% (C) 44% (D) $47\frac{1}{2}\%$
(E) None of these

71. Ratio between cost price of jeans & shirt is 6 : 5 and jeans & shirt marked up 25% and 50% above its cost price respectively. If difference between discount allowed on jeans and shirt is 40% and difference between selling price of jeans & shirt is Rs. 480, then find the cost price of jeans?

- (A) Rs. 720 (B) Rs. 1920 (C) Rs. 480 (D) Rs. 960
(E) Rs. 640

72. Veer has total Rs.24000 as savings, out of which he gives (T)% to Anurag. From the remaining, he gives (T + 10)% to Maanik. If Veer spent Rs.2700 on rent and remaining $37\frac{1}{2}\%$ of total savings he deposited in bank at rate of (T + 5)% on SI for 1.5 years, then what is the total interest gets by Veer?

- (A) 4750 Rs. (B) 4250 Rs. (C) 4500 Rs. (D) 4050 Rs.
(E) 5250 Rs.

73. 'P' is a set of perfect square numbers less than 60 and 'Q' is a set of composite odd numbers less than 25. Find probability of $6^3 < (P^2 + Q) < 11^3$.

- (A) 6/7 (B) 3/5 (C) 2/7 (D) 3/7
(E) None of these

74. X number of men can complete a piece of work in 5 days and Y number of women can complete same piece of work in 5 days. 5 men and 4 women working together can complete same piece of work in 6 days. If efficiency of a woman is 87.5% more than efficiency of a man, then find in how many days (X + Y) men and (X - Y) women working together can complete 289% of the same work.

- (A) 9 days (B) 5 days (C) 6 days (D) 8 days
(E) 7 days

75. Average of 60 positive integers is 8. If 45 of these integers are not more than 8, then find the maximum possible average of these 45 integers.

- (A) 8 (B) 7 (C) $7\frac{1}{2}$ (D) $7\frac{2}{3}$
(E) $7\frac{1}{3}$

76. Praveen took a loan of Rs. 24,000 from Adam. Praveen agrees to pay Adam an interest of 6.75% annually, compounded in every two months. What would be the additional amount Praveen has to pay if he repays the total amount in a year?

- (A) Rs. 1,648 (B) Rs. 1,670

(C) Rs. 1,666
(E) Rs. 1,655

(D) Rs. 1,658

77. M bought a mobile set for Rs. 10200 after a discount of 15%. His friend P bought the same mobile from the same shop for Rs. 9840 after a different discount. The C.P. and M.P. of both the mobile sets are equal. If the seller gained a total profit of Rs. 4040, then by how much amount does the seller mark each mobile set above its C.P.?

(A) Rs. 5500
(C) Rs. 3500
(E) Rs. 4500

(B) Rs. 4000
(D) Rs. 5000

78. A train passes two persons walking along the railway track. The first man walks at 4.5 km/hr and other man walking at a speed of 5.5 km/hr. The train takes 8.2 sec and 8.5 sec respectively to pass them. Find the speed of the train if both the persons are walking in the direction of the train.

(A) 32 km/hr
(C) 32.05 km/hr
(E) None of these

(B) 35 km/hr
(D) 38 km/hr

79. In a village consisting of three localities X, Y and Z, the population of the three localities X, Y and Z are in the ratio 5 : 6 : 7. In locality X, 75% of the people bought newspaper, in locality Y, 45% of the people bought newspaper and in locality Z, 85% of the people did not buy newspaper. Find the percentage of people who bought newspaper in the village.

(A) 56.78% (B) 45.89% (C) 41.67% (D) 54.45%
(E) 50%

80. John bought a vintage car for Rs. 200000. He increases the price of car by 10% every year. He sold the car after three years, but decreased the price of car every year by 10% in calculation by mistake. What is the ratio of price at which he should have sold the car and the price at which he actually sold the car?

(A) 121 : 81 (B) 1331 : 729 (C) 11 : 9 (D) 1 : 1
(E) Cannot be determined

DIRECTION (81-85):- Following are the questions based on two statements and answer the following based on the given statements.

81. What will be respective ratio of saving of Veer & Deepak.

Statement I. Income of Veer is 4% less than that of Sameer and also expenditure of Veer is 12.5% less than that of Sameer. Deepak spend $\frac{3}{5}$ th of his income.

Statement II. Sameer save Rs. 7000 & Veer save Rs. 7400. Income of Deepak is Rs. 1000 more than that of Sameer.

(A) Only statement I is sufficient
(B) Only statement II is sufficient
(C) Statement I and II both together is sufficient
(D) Either statement I or Statement II alone is sufficient
(E) Neither statement I nor statement II is sufficient

82. What will be cost price of article, which marked 40% above.

Statement I. If article sold 25% discount profit will be Rs. 50.

Statement II. If article sold two successive discounts of $14\frac{2}{7}\%$ and 10% profit will be Rs. 80.

(A) Only statement I is sufficient
(B) Either statement I or Statement II alone is sufficient
(C) Statement I and II both together is sufficient
(D) Only statement II is sufficient

(E) Neither statement I nor statement II is sufficient

83. A bag contains total 12 balls in which there are 5 green balls and rest are blue and red balls. What is difference between blue & red balls.

Statement I. If one ball taken out from bag probability of being either red or blue is $\frac{7}{12}$.

Statement II. If two balls taken out from bag probability of being either red or blue is $\frac{1}{6}$.

(A) Only statement II is sufficient
(B) Either statement I or Statement II alone is sufficient
(C) Statement I and II both together is sufficient
(D) Only statement I is sufficient
(E) Neither statement I nor statement II is sufficient

84. Side of square is 3.5 cm more than radius of circle. What will be area of square?

Statement I. Difference between circumference and diameter of circle is 45 cm.

Statement II. Radius of circle is 50% more than breadth of rectangle whose length is 15 cm. Ratio of circumference of circle & perimeter of rectangle is 3 : 2.

(A) Only statement II is sufficient
(B) Either statement I or Statement II alone is sufficient
(C) Statement I and II both together is sufficient
(D) Only statement I is sufficient
(E) Neither statement I nor statement II is sufficient

85. What will be length of train A?

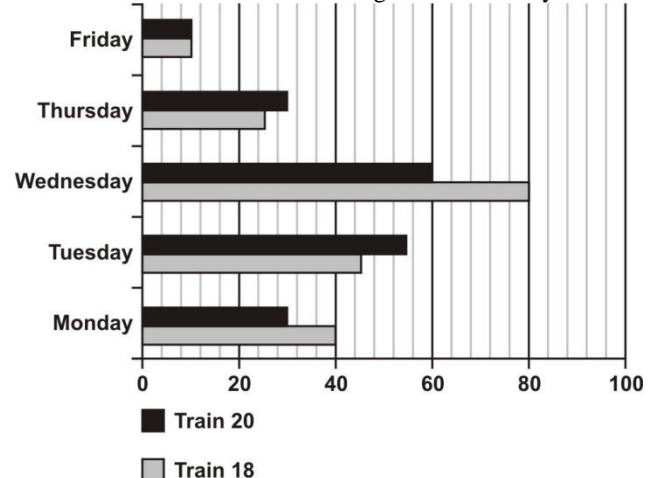
Statement I. Relative speed of train A & B is 10 meters/sec when both running in same direction and length of train B is 240 (Speed of train B is more than speed of train A).

Statement II. Train B cross a pole in 8 sec and cross train A in 12 sec running in opposite direction.

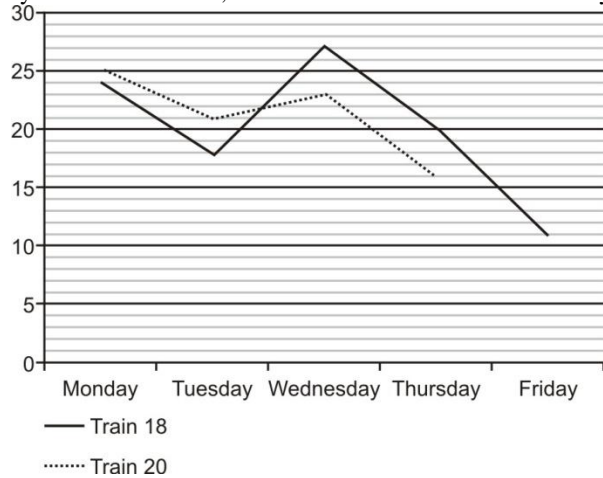
(A) Only statement II is sufficient
(B) Either statement I or Statement II alone is sufficient
(C) Neither statement I nor statement II is sufficient
(D) Only statement I is sufficient
(E) Statement I and II both together is sufficient

Direction (86-90):- Study the given information carefully and answer the following question accordingly.

The given bar graph shows the speed (in km/h) of two trains namely Train 18 and Train 20 while travelling on different days.



The following line chart shows the percentage of distance traveled by both the trains i.e., Train18 and Train20 on different days.



86. If Train20 completes the journey on Tuesday in 4 hours, then what is the total distance travelled by Train20 in whole journey on all days (approx.)?

- (A) 1006 km (B) 1012 km
(C) 1024 km (D) 1048 km
(E) None of these

87. If Train18 travels 432 km on Wednesday, then what is the total time taken by Train18 to travel on Tuesday and Thursday together?

- (A) 20.4 hours (B) 19.2 hours
(C) 18 hours (D) 18.5 hours
(E) None of these

88. What is the total time taken by Train18 (approximately) during whole journey if it completes its journey on Friday in 5.5 hours?

- (A) 18 hours (B) 16.2 hours
(C) 20.5 hours (D) 12 hours
(E) None of these

89. If Train18 travelled 242 km on Friday and Train20 travelled 625 km on Monday. Then what will be the difference between time taken to complete their journey on Tuesday?

- (A) 2.7 hours (B) 1.7 hours
(C) 0.7 hours (D) 3.7 hours
(E) None of these

90. If Train20 completed its journey on Wednesday in 5.75 hours, then what is average of the distance travelled by it on Monday, Tuesday and Thursday?

- (A) 310 km (B) 278 km (C) 340 km (D) 370 km
(E) None of these

DIRECTION (91-95):- Each of the following question is followed by two quantities I, and II. You have to determine the value of the quantities using the information provided and accordingly compare the quantities. Mark your answer as per the instruction set provided below.

91. There are 'N' numbers of cubes each having side 4 cm is melted and re-casted into a cylinder of radius 14 cm and height 64 cm.

Quantity I: Value of 'N + 308'.

Quantity II: Value of '1.5N'

- (A) Quantity I ≥ Quantity II (B) Quantity I = Quantity II
(C) Quantity I ≤ Quantity II (D) Quantity I < Quantity II
(E) Quantity I > Quantity II

92. 'X' kg of Rs. 72 per/kg wheat is mixed with 16 kg of Rs. 84 per/kg wheat, in order to earn profit of 10% while selling the mixture at Rs. 88 per/kg.

Quantity I: Value of 'X+40'.

Quantity II: Value of '6X'

- (A) Quantity I < Quantity II (B) Quantity I ≤ Quantity II
(C) Quantity I > Quantity II (D) Quantity I ≥ Quantity II
(E) Quantity I = Quantity II

93. **Quantity I:** Time taken by Prabhas to cover a distance of 200 km (without stoppage) by car through which he covers a distance of 100 km in 1 hour when he stops to get fuel for 10 minutes.

Quantity II: Time taken by Nagarjuna to travel 20 km downstream if speed of boat and speed of stream be 7 kmph & 3 kmph respectively.

- (A) Quantity I > Quantity II (B) Quantity I ≥ Quantity II
(C) Quantity I < Quantity II (D) Quantity I ≤ Quantity II
(E) Quantity I = Quantity II or no relation

94. There are 3 red and 5 blue balls in the urn.

Quantity I: the probability of drawing 1 red ball and 2 blue balls.

Quantity II: the probability of drawing 2 red balls and 1 blue ball.

- (A) Quantity I > Quantity II (B) Quantity I ≥ Quantity II
(C) Quantity I < Quantity II (D) Quantity I ≤ Quantity II
(E) Quantity I = Quantity II or no relation

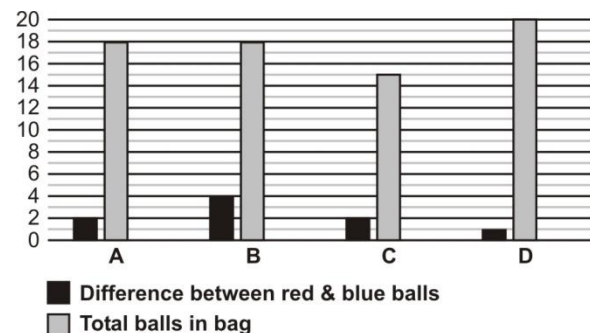
95. In how many ways can 4 boys or 5 girls be selected?

Quantity I: there are 20 persons (boys and girls only) in the group out of which 12 are boys.

Quantity II: the group comprises 10 boys and 10 girls.

- (A) Quantity I > Quantity II (B) Quantity I ≥ Quantity II
(C) Quantity I < Quantity II (D) Quantity I ≤ Quantity II
(E) Quantity I = Quantity II or no relation

DIRECTION (96-99):- Bar graph given below shows difference between red and blue balls in four different bags and total number of balls in these four bags. Read the data carefully and answer the questions.



Note – Each bag contains three color of balls = Red + Blue + Green

96. If three balls are taken out from the bag C, then what will be probability such that maximum red balls are left in the bag?

- (A) 2/3 (B) 8/15 (C) 2/5 (D) 3/5
(E) None of these

97. If one ball is taken out from each bag C & D and probability of both the balls being Red is 13/15, then find difference between Green balls in both the bags? (Given- red balls > blue balls in both bags and ratio of red balls in bag C to that of in bag D is 7 : 8)

- (A) 0 (B) 4 (C) 3 (D) 1

- (E) 2
98. If one ball is taken out from bag B and probability of that ball being blue is $\frac{2}{9}$, then find the ratio of green balls to red balls in the bag B?
(A) 1 : 2 (B) 3 : 4 (C) 3 : 8 (D) 2 : 3
(E) 4 : 5
99. Red balls are more than blue balls in both bags A & C and ratio of blue balls in bag A to that of in bag C is 6:5. If One ball from the bag A and two balls from the bag C are taken out and difference between probability of balls taken out from both the bag being red is $\frac{11}{45}$, then what is the total number of green balls in bag A & bag C together?
(A) 9 (B) 5 (C) 6 (D) 7
(E) 8
100. Veer and Ayush starts a business with the initial capital of Rs. 5000 and Rs. 6000 respectively. After four months, Shivam joined them with the capital of Rs. (P) and at the same time Veer withdrew Rs. 3000 from his initial investment. After four more months, Ayush left the business. If, at the end of 1 year from the beginning, total profit from the business is Rs.3200 and share of Shivam is Rs.800, then find Rs. (1000 + P) ?
(A) 4000 Rs. (B) 5500 Rs. (C) 4500 Rs. (D) 3500 Rs.
(E) None of these

ENGLISH

DIRECTION (101-105):- Five statements are given in jumbled fashion. Arrange the parts of the statement. Also, one of the parts may or may not contain grammatical error after the arrangement. Based on these five statements, answer the questions following the statements.

(I)/ anguished that a gruesome crime like (A)/ that was even possible in (B) members of the public were justifiably (C)/the heart of a vibrantly metropolis.(D)

(II) judicial outcomes and "justice" to (A)/are neither universal, nor just (B)/ public responses that equate (C)/ immediately and quick retribution (D)

(III) claimed the deadly shooting as an act of terror(A)/are yet to established the gunman's motive, (B)/but some lawmakers have already (C)/ U.S. federal investigators say they (D)/

(IV) There have been frequent (A)/changes in the mode of electing (B)/ mayors of city corporations (C)/and chairpersons of municipalities (D)

(V) such as inspection standards, (A)/gun rules and then address issues (B)/ foreign military tied and radicalism (C)/ the U.S. has to first review its lax (D)/

101. What will be the correct arrangement of the parts of statement (I)? Also, identify the part which contains grammatical error.

- (A) ACBD; B (B) CABD; D
(C) BCDA; A (D) CABD; C
(E) DBAC; No error

102. What will be the correct arrangement of the parts of statement (III)? Also, identify the part which contains grammatical error.

- (A) ACDB; D (B) CABD; C
(C) DBCA; B (D) BDCA; A
(E) DBCA; NO ERROR

103. What will be the correct arrangement of the parts of statement (V)? Also, identify the part which contains grammatical error.

- (A) ACBD; C (B) CDAB; D
(C) ADBC; A (D) DBAC; C
(E) None of these

104. What will be the correct arrangement of the parts of statement (II)? Also, identify the part which contains grammatical error.

- (A) BACD; C (B) CADB; D
(C) CBDA; A (D) DABC; C
(E) ACBD; NO ERROR

105. What will be the correct arrangement of the parts of statement (IV)? Also, identify the part which contains grammatical error.

- (A) DABC; A (B) ABCD; C
(C) ABCD; B (D) BACD; C
(E) ABCD; no error

DIRECTION (106-115):- Read the given passage carefully and answer the questions that follow.

There is a global growing demand and supply for organic foods. This has resulted from increased health awareness and food safety, a growing demand to protect the environment and animal welfare. The International Federation of Organic Agriculture Movement (IFOAM) defines organic production as a process "that relies on ecological processes, biodiversity and cycles adapted to local conditions rather than the use of inputs with adverse effects" (IFOAM, 2010). Marketing the product will provide the link that will satisfy both the demand and the supply. Thus marketing the products will provide the link between the producers and the consumers. While the marketing of these products is developed in the U.S.A, the Asian marketing is just developing.

In most Asian countries, organic production is mainly for small farmers in order to assist them to be self-sufficient and improve the quality of the soil. It is mainly done for export. Organic food production in Asia is yet to develop. Though the Asian countries form 25 per cent of the members of (IFOAM) the area engaged in organic farming is still very small as by 2003 all the Asian countries had only utilised less than 1 per cent of all agricultural land in organic farming with the exception of China (IFOAM, 2004). The local markets in Asia are not established and are only emerging. Marketing initiatives are in the process of being launched.

There are National Initiatives to develop the organic sector. There are initiatives by NGOs supporting to practice organic agriculture and training them on how to market organic food products. Most of the organic farming has support from the grassroots level. In most Asian countries there is a very rare national scale of organic production and only India has a government initiative. The Indian government (Agricultural and Processed Food Products Export Development Authority (APFEDA)) initiative is only meant to assist in exporting of the organic food and not to develop the domestic market. APFEDA offers training to producers and certification agencies, research and development services: promoting certification programs, developing policies, improving the quality of services, promoting Indian organic foods.

The main challenges facing organic food marketing are the pricing competition and logistics arrangements. The organic foods have to compete with other non-organic foods in terms of pricing, varieties and the frequency of production. The organic food products are expensive to produce. Their infrastructure is yet to be developed and

thus it is hard for marketing organisations to sell them at a competitive price. The organic food products are expensive both in the Asian countries and in the US. In US organic foods are 10 to 30 per cent more expensive than the conventional food products (Dimitri&Oberholtzer, 2009).

There are ways to develop and help support marketing organisations for organic food products in Asia. The local initiatives should provide those strategies that eliminate intermediaries, thus reducing the prices of the products and thus encouraging more buyers, while at the same time promoting the producers. Any non-commercial external funding should be accompanied by organisations own increase in capital investment. This assures continuity after the external funding is pulled out. Most of the marketing organisations start small whereby some do not even have an office and operate from home. This may be satisfactory to start with, but as the company grows, it should have an official location of operation.

106. Why is there an increase in the demand for organic products?

- (A) Increased health awareness
- (B) Increased awareness about food safety
- (C) A growing demand to protect the environment
- (D) A growing demand to protect animal welfare
- (E) All of the above

107. According to International Federation of Organic Agriculture Movement (IFOAM), what is organic production?

- (A) A process that relies on natural processes adapted to local conditions
- (B) A process that does not include the use of inputs with adverse effects
- (C) A process that has some elements of man-made indulgence
- (D) Both 1 and 2
- (E) All of the above

108. What is the status of the marketing of organic products in Asia?

- (A) It is better than USA
- (B) It is at par with USA
- (C) It is emerging in Asia
- (D) Both 2 and 3
- (E) None of the above

109. What are the reasons for the undergrowth of organic product markets in Asia?

- (A) There is no support
- (B) Government initiative is not very evident in Asia
- (C) Support is at grassroots level
- (D) Both 1 and 3
- (E) All of the above

110. What are the drawbacks of APFEDA?

- (A) There are no drawbacks
- (B) Only assisting in the export of the organic food
- (C) Not assisting in developing the domestic market
- (D) Both 2 and 3
- (E) All of the above

111. What are the challenges faced by organic food marketing?

- (A) Pricing competition with the industrialised products
- (B) Logistic arrangement
- (C) Industrialised products are way cheaper than the organic ones
- (D) Both 1 and 2
- (E) All of the above

112. What are some of the ways to develop and help support marketing organisations for organic food products in Asia?

- (A) Intermediaries should be removed
- (B) Promotion of the ones producing the products
- (C) Location of production should be chosen wisely
- (D) Both 1 and 2
- (E) All of the above

113. What is the synonym of the given word –**Adverse**.

- (A) Mild
- (B) Clement
- (C) Dire
- (D) Equable
- (E) None of the above

114. What is the antonym of the given word –**Initiative**.

- (A) Capability
- (B) Enterprise
- (C) Ingenuity
- (D) Creativity
- (E) None of the above

115. What is the synonym of the given word –**Eliminate**.

- (A) Banish
- (B) Expatriate
- (C) Obliterate
- (D) Unfasten
- (E) None of the above

DIRECTION (116-120):- In each of the following questions, a sentence is given with a blank. There are five idioms given below each sentence, one out of which can be used in the blank to form a meaningful sentence. Choose the most appropriate idiom among the five options that makes the sentence contextually meaningful.

116. After constantly being prank-called, Julian decided to give Juan _____ and ordered twenty-seven pizzas to be delivered to Juan's house.

- (A) Once in a blue moon
- (B) Easy does it
- (C) A taste of his own medicine
- (D) Cutting Corners
- (E) Pull yourself together

117. Liam had _____ before he went on stage to play the violin.

- (A) Cat got your tongue
- (B) Lose your marbles
- (C) Sick and tired
- (D) Butterflies in his stomach
- (E) Snug as a bug in a rug

118. You have been a _____ so many times that no one believes you when you're really hurt.

- (A) Give it a whirl
- (B) Crying Wolf
- (C) Better late than never
- (D) Sleep on it
- (E) Get your act together

119. Even though you just got fired, remember that _____ - at least you don't have to work for that grouchy boss anymore

- (A) Step up your game
- (B) Easy does it
- (C) Tip of the iceberg
- (D) Take it easy
- (E) Every cloud has a silver lining

120. Tom felt like a _____ at the Star Trek convention his new girlfriend begged him to attend.

- (A) A short fuse
- (B) Stick your nose into something
- (C) Fish out of water
- (D) Cutting Corners
- (E) Up a creek without a paddle

DIRECTION (121-123):- In the following sentence, some parts have errors and some are correct. Find out which part has an error and mark it as your answer. If there is no error, mark 'No error' as your answer.

121. While the judges dwelt at length on the (A)/ limits of executive power and the detrimental (B)/ effects of the suspension on the

country's democratic process, (C)/ they scrupulously steered clear of pronouncing any views on Britain's withdrawal from the EU. (D)/ No error (E)

- (A) A (B) B (C) C (D) D
(E) E

122. The Justice J.S. Verma Committee, who was constituted (A)/ in 2013 in the aftermath of the Nirbhaya case, (B)/ after due deliberations found itself against (B)/ the imposition of the death penalty in rape cases. (D)/ No error (E)

- (A) A (B) B (C) C (D) D
(E) E

123. Despite the government announcing that it was not deeply affect (A)/ by the US decision to review and then revoke the GSP, the latest export figures have (B)/ shown a slump, indicating that Indian exporters have lost out on contracts due to the US decision, (C)/ and the government has been talking to the US about reconsidering its decision (D)/ No error (E)

- (A) A (B) B (C) C (D) D
(E) E

DIRECTION (124-125):- In the following question, an idiom is given. It is then followed by three sentences which may or may not accurately represent the meaning of the idiom. Choose the best set of alternatives from the five options given below of the sentences which embody the meaning of the given idiom perfectly.

124. Good Samaritan

- A. We should always avoid all the selfish and the mean persons.
B. The rich industrialist will be ruined someday because of his son's bad habits.
C. He is a person who even helps strangers because he always comes to the help of the old and the children in difficulties.

- (A) Only A (B) Only B (C) Only C (D) Both A & B
(E) Both B & C

125. Cock a snook

- A. Drunkards often indulge in bravery under alcoholic influence and boast of their imaginary qualities.
B. Although our team fought bravely, yet had to yield before the superior power play of the opposite team.
C. She is so proud of her wealth that she always show impudent contempt at the acts of her husband.

- (A) Only A (B) Only B (C) Only C (D) Both A & B
(E) Both B & C

DIRECTION (126-132):- Read the following passage and answer the questions.

A new study released in Delhi on Wednesday by the National Institute of Advanced Studies (NIAS) Bengaluru addresses the agrarian crisis and looks at the need to meet the growing demand for non-farm jobs amidst growing inequality.

Among its recommendations for addressing farmer suicides here are key takeaways: the NIAS study calls for the setting up institutions that will assist farmers to cultivate land that is currently left fallow and thus increase acreage under farming; educate them on forward markets to tide over price uncertainties at the time of harvest and create a more credible crop insurance system than what is currently available.

The NIAS study also stresses the need to develop skill development strategies for senior agricultural labourers who currently find

themselves unemployable. Additionally, it underlines the state's responsibility in providing basic necessities—food, water, health and shelter for those facing deprivation.

The two-part study, which took three years in the making, also focusses on the employment problems caused by a variety of transformations in rural India. While agriculture's share in the GDP has declined to 15 per cent—down from 19 per cent in 2004-2005—it still provides 45 per cent of employment in the country. This has resulted in declining wages vis-a-vis inflation levels and the number of days per work per annum.

This has led to migration to cities creating a hitherto unprecedented demand for jobs. Some of those who move to urban centres do so in search of better jobs, while many others do so to tide over lean periods of no employment in their villages either caused by poor rainfall or natural disasters. The NIAS report recommends hostels for such circular migrants who live in appalling conditions in our cities for the few months they work there before returning to their villages.

As for those seeking to move out of agricultural employment altogether, the report notes that the state must invest in making skill development accessible in remote areas by setting up mobile training centres. Scholarships for rural youth undergoing skill training would help as also a rural-urban job information network which would keep rural folk informed about the demand for skills in urban centres.

While helping the rural populace to shift to non-farm jobs is commendable, several international experts are also concerned about the shrinking of agriculture, particularly in the less developed world. They fear that it may not be easy to feed the over 9 billion population that will inhabit the earth by 2050 without a major revival of agriculture supported by innovations in cultivation and by developing and conserving water resources. The NIAS study was conducted by a research team led by Dr Narendra Pani, Professor and Dean, School of Social Sciences of the Bengaluru-based institute.

126. What are the issues addressed by the NIAS study?

- (A) Redressal of crisis in agriculture sector
(B) Necessitating fulfilment of demands for jobs other than farming
(C) Both (a) and (b)
(D) Only (b)
(E) Only (a)

127. What are the recommendations to address farmer suicides?

- (A) Establishing institutions in order to assist farmers for cultivation of fallow land.
(B) Educating farmers on forward markets to deal with price uncertainties.
(C) Creation of a credible crop insurance facility.
(D) All (a), (b), and (c)
(E) None of these

128. What should be done for senior agricultural labourers and people facing deprivation?

- (A) Providing food, water, health and shelter
(B) Promoting strategies for skill development for experienced agricultural labourers.
(C) Strategies to educate farmers
(D) Both (a) and (b)
(E) None of these

129. What have been the effects of agriculture's declining contribution to GDP, given that it still employs 45% of the workforce?

- (A) Various transformations in rural areas causing employment issues.
(B) Both (C) and (D)
(C) Declined wage
(D) Decreased no. of days/work/annum
(E) None of these

130. Why do people migrate to cities for jobs?

- (A) To get better options in terms of jobs.
(B) To pass the time of no-employment in rural area due to inadequate rainfall or natural disasters
(C) Both (a) and (b)
(D) Agriculture being the out-dated profession
(E) None of these

131. What can states do for people wanting to leave agricultural employment completely?

- (A) Setting up mobile training centres in remote areas
(B) Providing scholarships to youth getting skill training
(C) Keeping rural residents updated regarding the demands of skills in urban areas.
(D) Establishing skill training as an information network.
(E) All of the above

132. What are the essentials in order to feed over 9 billion people that will exist by 2050?

- (A) Major agricultural revival
(B) Development and conservation of water resources
(C) Promotion of innovations in cultivation
(D) All (a), (b), and (c)
(E) None of these

DIRECTION (133-137):- In the following question, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the five alternatives given in the questions that follow.

Motivational writers and thinkers keep motivating people through words and actions about why thinking good is so important. Thinking is thought to be so _____ (A) _____ that it can transform anybody. Though it could be a hypnotic belief, and not everybody would believe in it, the majority of people _____ (B) _____ it. You truly become what you think about. Have positive, joyous thoughts and you will attract more joy and love in your life. Thoughts do become actions. So the more you think about what you want as opposed to what you don't want, the more you will attract what you want. So, it all depends on your thoughts but the trouble is that you don't have your own thoughts. You do have thoughts, thoughts in abundance but they are not yours. You are filled with them, _____ (C) _____ with thoughts, you cannot contain them. It is such a mess, this mind of yours. _____ (D) _____ one more thought of being successful in life, thoughts of being younger than what you are — a 70-year-old person thinking that he is 35 will not make him 35 years younger. An idiot thinking that he is the Buddha, the enlightened one, will not make him the Buddha, the awakened one. Such auto-suggestive thinking will lead him to a futile imagination, a _____ (E) _____.

133. Which of the following words most appropriately fits the blank labeled (A)?

- (A) Hypnotic
(C) Chaotic
(E) Supernatural
- (B) Charismatic
(D) Powerful

134. Which of the following words most appropriately fits the blank labeled (B)?

- (A) Affirm
(C) Assist
(E) Amend
- (B) Doubt
(D) Complex

135. Which of the following words most appropriately fits the blank labeled (C)?

- (A) Complacency
(C) Incumbent
(E) Inundated
- (B) Frivolous
(D) Syndicate

136. Which of the following words most appropriately fits the blank labeled (D)?

- (A) Bringing
(C) Bring for
(E) Bringing in
- (B) Bring in
(D) Bring out

137. Which of the following words most appropriately fits the blank labeled (E)?

- (A) Persuasion
(C) Hallucination
(E) Rumination
- (B) Laconic
(D) Speculation

DIRECTION (138-140):- In the questions given below few sentences are given which are grammatically correct and meaningful. Connect them by the word given above the statements in the best possible way without changing the intended meaning. Choose your answer accordingly from the options to form a correct, coherent sentence.

138. WHILE

- (A) There is a reason to be concerned about delays in rape trials.
(B) The real test lies in whether the relief is treated as a watershed.
(C) Initial financial relief has been announced for the victims in the AnajMandi Fire.
(D) The Hyderabad-like solution is out of the question
- (A) Only A-B
(C) Only B-C
(E) None of these
- (B) Both A-D and C-B
(D) Only A-D

139. SINCE

- (A) The promise of criminal law as an instrument of safety is matched only by its power to destroy.
(B) Less government and lax enforcement is bad policy.
(C) Less government and lax enforcement costs lives and harms the economy.
(D) Its guarantees of due process were accordingly incorporated in the criminal procedure.
- (A) Only A-B
(C) Only B-C
(E) None of these
- (B) Both A-D and B-C
(D) Only A-D

140. BUT

- (A) The encounters used to be criticised by the public and media.
(B) In the new India, we have we have started celebrating this instant and brutal form of justice.
(C) The building's owner and the manager have been arrested to mollify public anger.
(D) The administrative agencies cannot escape responsibility for allowing the factory to function illegally.

- (A) Only A-B
(C) Both A-B and C-D
(E) None of these

- (B) Both A-D and B-C
(D) Only A-D

G.K

141. Nahargarh Biological Park is in _____.

- (A) Madhya Pradesh (B) West Bengal
(C) Rajasthan (D) Chattisgarh
(E) Haryana

142. In October 2019, who took oath as the Haryana Deputy Chief Minister?

- (A) Om Prakash Chautala (B) Bhupinder Singh Hooda
(C) Manohar Lal Khattar (D) Kaptan Singh Solanki
(E) Dushyant Chautala

143. Where will the FIFA U-17 Women's World Cup be organised for the year 2020?

- (A) Japan (B) France
(C) Spain (D) India
(E) Russia

144. Who among the following is the author of the Book-"From Leeches to Slug Glue"?

- (A) Vikram Seth (B) Amitav Ghosh
(C) Jeet Thayil (D) Shashi Tharoor
(E) Roopa Pai

145. Who among the following is the author of the Book-"The Cousins Thackeray"?

- (A) Khushwant Singh (B) Nirad Chaudhary
(C) Kiran Desai (D) Dhaval Kulkarni
(E) None of the above

146. Which country won 18th edition of FIFA U-17 World cup?

- (A) Brazil (B) Mexico (C) Spain (D) Uruguay
(E) None of these

147. Who has been awarded with Nobel Prize in Physics 2019 for theoretical discoveries in physical cosmology?

- (A) Arthur Ashkin (B) Donna Strickland
(C) James Peebles (D) Michel Mayor
(E) None of these

148. How much Moody's slashed India's GDP growth forecast for 2019 from an earlier estimate of 6.2 % ?

- (A) 5.9% (B) 4.9% (C) 4.3% (D) 5.6%
(E) None of these

149. Which Movie won People's Choice Award at My Rode Reel Film Competition?

- (A) Spirit of Kerala (B) Banoffee Pie
(D) Gully Boy (E) Andhadhun
(E) None of these

150. Lovlina Borgohain is associated with which sport ?

- (A) Wrestling (B) Weight Lifting
(C) Boxing (D) Judo
(E) None of these

151. Who among the following has recently launched a health scheme, 'YSR Kanti Velugu' in Andhra Pradesh? (Oct 2019)

- (A) B. S. Yeddyurappa (B) Y S Jagan Mohan Reddy
(C) Edappadi K. Palanisamy (D) Manohar Lal Khattar
(E) Kamal Nath

152. At which place "Sangam 2019-20" , a youth festival was organized by Indian Army? (oct 2019)

- (A) New Delhi (B) Indore
(C) Dehradun (D) Jammu
(E) Vishakapatnam

153. Who among the following Ministers launched WHO India Country Cooperation Strategy 2019-2023 : A Time of Transition on 9 October 2019. ? (Oct 2019)

- (A) Arvind Ganpat Sawant (B) Mukhtar Abbas Naqvi
(C) Gajendra Singh Shekhawat (D) Mahendra Nath Pandey
(E) Harsh Vardhan

154. How many digits are there in Mobile Money Identifier (MMID)?

- (A) 4 (B) 5 (C) 6 (D) 7
(E) 10

155. Currently BHIM App is available in how many languages?

- (A) 10 (B) 12 (C) 13 (D) 15
(E) 11

156. Name the person, who has been appointed as the governor of Andhra Pradesh?

- (A) Satya Pal Malik (B) Biswa Bhusan Harichandan
(C) Anusuiya Uikey (D) Lalji Tandon
(E) None of these

157. Serious Fraud Investigation Office (SFIO) has been established and it has started functioning since-

- (A) 1st October 2003 (B) 1st October 2004
(C) 1st October 2007 (D) 1st October 2012
(E) 1st October 2015

158. US company, Ebix has announced the acquisition of which of the following travel portals for \$337.8 million.

- (A) Cleartrip (B) Yatra Online
(C) Ezeego (D) Expedia
(E) None of these

159. Which state government has signed a pact with National Stock Exchange and Bombay Stock Exchange to help boost the growth of micro, small and medium enterprises sector in the state?

- (A) Manipur (B) Karnataka
(C) Tamil Nadu (D) Haryana
(E) None of these

160. The 2019 Homeless World Cup football tournament was held in which country?

- (A) Singapore (B) UK
(C) USA (D) Germany
(E) None of these

161. In which among the following states has Vice President of India recently inaugurated India's longest electrified rail tunnel? (Sep 2019)

- (A) Maharastra (B) Uttar Pradesh
(C) Goa (D) Andhra Pradesh
(E) Tamil Nadu

162. What is the theme of the World Heart Day (WHD) 2019?

- (A) Share the power
(B) My Heart, Your Heart
(C) Healthy heart environments
(D) Team up for healthy hearts
(E) Work with Heart

- 163.** Who among the following received the M P Birla Memorial Award 2019 for his contributions to the world of cosmology?
(A) JayantNarlikar (B) ThanuPadmanabhan
(C) E. C. George Sudarshan (D) AmbarishGhosh
(E) AjoyGhatak
- 164.** Where did the 23rd edition of the trilateral maritime exercise of India, Japan and the United States(US) named Malabar 2019 begin?
(A) Sasebo (B) New York
(C) Kochi (D) Kitakyushu
(E) Chennai
- 165.** Who was selected as the new head of the International Monetary Fund in 2019?
(A) Mariya Gabriel (B) Irina Bokova
(C) KristalinaGeorgieva (D) Christine Lagarde
(E) Nadia Calviño
- 166.** Who has been appointed as chairman of National Stock Exchange(NSE)?
(A) JayshreeVyas (B) Yatinder Singh
(C) Girish Chandra Chaturvedi (D) Anoop Singh
(E) JPS Chawla
- 167.** With which of the following would you identify a 'no frills' account with?
(A) A savings account with no minimum balance requirement
(B) A savings account not having KYC requirement
(C) Fixed deposit account for one year and less
(D) Savings account opened in rural branches
(E) None of the given options is true
- 168.** Name the player, who was named as first non-British President of the Marylebone Cricket Club.
(A) Brendon McCullum (B) Kumar Sangakkara
(C) Rahul Dravid (D) Shahid Afridi
(E) None of these
- 169.** Name the player, who was named Professional Footballers' Association (PFA) Player of the Year for the 2018-19 season?
(A) Sergio Aguero (B) Raheem Sterling
(C) Virgil van Dijk (D) Sadio Mane
(E) None of these
- 170.** Name the tennis star who won the Rogers Cup tennis tournament 2019 held in Toronto, Canada.
(A) Maria Sharapova (B) Serena Williams
(C) Venus Williams (D) Bianca Andreescu
(E) Simona Halep
- 171.** Which film has become the only Indian film to feature in The Guardian list of 100 Best Films of the 21st century?
(A) 3 Idiots (B) Mukkabaaz
(C) Gangs Of Wasseypur (D) Chak De! India
(E) Dangal
- 172.** Which country's firm is supplying the Spice 2000 bombs to the Indian Air Force?
(A) France (B) USA (C) Russia (D) Israel
(E) England
- 173.** Neermahal JalUtsav is associated with which state?
(A) Punjab (B) Tripura (C) Haryana (D) Uttar Pradesh
(E) Maharashtra
- 174.** Union Minister for Environment and Forest and Information & Broadcasting PrakashJavadekar flagged off a Jaldoot vehicle in _____.
- (A) New Delhi (B) Mumbai
(C) Pune (D) Kolkata
(E) Visakhapatnam
- 175.** An innovative project for constructing a floating school for marginalised children in _____ has been awarded the prestigious Aga Khan Architecture Award 2019.
(A) India (B) Bangladesh
(C) Bhutan (D) Sri Lanka
(E) Indonesia
- 176.** The Jammu and Kashmir Bank will now come under the purview of Right to Information Act and CVC guidelines as per the decisions taken by the Board of Directors of the Jammu and Kashmir Bank to ensure greater transparency and accountability. What is the full form of CVC?
(A) Central Vigilance Control
(B) Central Vigilance Commission
(C) Central Vigilance Condition
(D) Central Vigilance Corporation
(E) None of these
- 177.** Cheque truncation can be done by?
(A) Using MICR data
(B) Sending cheque by speed post
(C) Using image processing
(D) Both (a) & (b)
(E) None of the above
- 178.** Name the state government, which has decided to launch the Chief Minister's Employment Generation Programme for MSMEs.
(A) Maharashtra (B) Gujarat
(C) Rajasthan (D) New Delhi
(E) None of these
- 179.** Bad advances of a bank are called -
(A) standard accounts (B) book debt
(C) non performing assets (D) out of order account
(E) overdrawn accounts
- 180.** The lock-in period in case of a term deposit means -
(A) Locker service is not available
(B) Premature withdrawal is not possible
(C) Another account cannot be opened
(D) No further investment is possible
(E) None of these
- 181.** Which of the following is issued in a currency different than the issuer's domestic currency?
(A) Foreign Currency Assets Bond
(B) Foreign Exchange Management Bond
(C) Foreign Currency Convertible Bond
(D) Foreign Currency Non-resident Bond
(E) Foreign Exchange Assets Bond
- 182.** _____ has launched the 'Identity Check Express', a next-generation, mobile-first authentication solution.
(A) Visa
(B) Mastercard
(C) National Payment Corporation of India
(D) ICICI Bank
(E) SBI
- 183.** Students of IIT _____ have built an app which will inform the caregiver when the elderly person falls down with the exact location.

- (A) Kanpur (B) Kharagpur
(C) Delhi (D) Mumbai
(E) Roorkee
- 184.** Recently, the Reserve Bank of India (RBI) has set up a committee to look into the current state of mortgage securitisation in the country. Who will head this committee?
(A) Harsh Vardhan (B) Dinbandhu Mohapatra
(C) Pallav Mahapatra (D) B Sriram
(E) Karnam Sekar
- 185.** Which of the following is incorrect for Soiled Notes?
(A) These have become dirty due to usage.
(B) These notes have all the essential features missing.
(C) It includes a two-piece note pasted together wherein both the pieces presented belong to the same note and form the entire note.
(D) These are exchanged for full value.
(E) These may be slightly cut.
- 186.** Karma dance is popular in which of the following state?
(A) Madhya Pradesh (B) Odisha
(C) Jharkhand (D) Bihar
(E) All of the above
- 187.** The Chapchar Kut is a festival of which state?
(A) Assam (B) Mizoram (C) Nagaland (D) Sikkim
(E) Meghalaya
- 188.** The theme of 2019 World Youth Skills Day (WYSD) is -
(A) Improving the image of Technical and Vocational Education and Training
(B) Skills for the Future of Work
(C) Learning to learn for life and work
(D) Skills Development to Improve Youth Employment
(E) None of these
- 189.** The World Day to Combat Desertification and Drought observed on which date?
(A) 11 March (B) 17 June (C) 05 May (D) 21 July
(E) 15 October
- 190.** The Vansda National Park (VNP) is located in which state?
(A) Gujarat (B) Assam (C) Punjab (D) Rajasthan
(E) None of these