

GENERAL APTITUDE TEST

Paper-II

1. Find the missing term (____) in the following :

N 5 V, K 7 T, _____, E 14 P, B 19 N

(a) H 10 R (b) H 10 Q (c) I 10 R (d) H 9 R

2. Choose the correct number from the following :

B : 16 :: D : ?

(a) 150 (b) 200 (c) 256 (d) 276

3. A is B's sister. C is B's mother

D is C's father. E is D's mother.

How A is related to D ?

(a) Grand mother (b) Grand daughter (c) Grand son (d) Grand father

4. Choose the word from the following, which can not be formed by using letters in the word :

'RECOMMENDATION'

(a) MEDICINE (b) MEDIATE

(c) REMINDER (d) COMMUNICATE

5. If the radius of a circle is doubled, its area increases by

(a) 100% (b) 200% (c) 300% (d) 400%

6. Choose the best related alternative (?) from the following :

Calendar : Dates :: Dictionary : ?

(a) Words (b) Books (c) Language (d) Vocabulary

7. A man walks 1 km. towards East, then turns to South and walks 5 km. Again he turns to

East and walks 2 km. Then he turns to North and walks 9 km. How far is he from the

starting point ?

(a) 2 km (b) 3 km (c) 5 km (d) 9 km

8. A man is facing South. He turned 135° anticlockwise and then 180° clockwise. In which

direction he is now ?

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

9. If + stands for \times , - stands for \div , \times stands for - and \div stands for +, then find the value of

$$26 + 74 - 4 \times 5 \div 2.$$

(a) 336 (b) 376 (c) 428 (d) 478

10. Which term of the series

5, 10, 20, 40, is 1280 ?

(a) 8th (b) 9th (c) 10th (d) None of the above

11. Consider the six statements :

A : All balls are locks. B : All keys are locks.

C : All keys are balls. D : Some keys are locks.

E : Some locks are balls. F : No ball is lock.

Choose the option which indicates a valid argument containing logically related statements, that is, where the third statement is the conclusion drawn from the preceding two statements.

(a) ACD (b) BEF (c) CDE (d) CEF

12. Consider the following statement and the arguments and decide which of the argument is strong.

Statement :

Should income tax be abolished in India ?

Arguments :

I. Yes, it is a burden on wage earners.

II. No, it is a good source of revenue.

(a) I (b) II (c) I and II both (d) None

13. Consider the following statement and assumptions and decide which of the assumption / assumptions is / are implicit in the statement.

Statement :

Let us increase the taxes to cover the deficit.

Assumptions :

I. The present taxes are very low.

II. Deficit in a budget is not desirable.

III. Deficit can not be met without increasing the tax.

(a) I and II (b) I and III (c) III (d) II and III

14. If 25th May in a certain year is a Sunday, then which day of the week will be 25th December in that year ?

(a) Thursday (b) Friday (c) Saturday (d) Sunday

15. Consider the statement given below :

‘Idle brain is a devil’s workshop.’

Which of the following has same logic ?

(a) Hardwork is the basis of success. (b) A person without work is rebellions.

(c) Educated people are cultured. (d) Players are physically healthy.

16. It takes 3 hours to fill a tank but because of some leakage at the bottom of the tank, it takes one more hour to fill the tank. In how many hours, the tank becomes empty just because of hole ?

(a) 8 (b) 10 (c) 12 (d) 14

17. Which of the following graphs can possibly represent the motion of a car on road ?

(a) I only (b) I and II both (c) II and III both (d) None of the above

18. Six persons K, L, M, N, O, P are sitting around a table as per the following conditions :

1. K and L are opposite to each other.

2. M is to the left of K.

3. O and N are opposite to each other.

4. P is to the right of N.

Who is to the left of L ?

(a) M (b) P (c) O (d) N

19. Which one of the following pairs of words is not rationally related ?

(a) Gold : Ornaments (b) Wood : Furniture

(c) Pitcher : Pottery (d) Straw : Nest

20. Which one of the following is odd one ?

(a) Peso (b) Phi (c) Gamma (d) Delta

21. The monthly incomes of six employees of a company are 15,000, 18,000, 17,500, 30,000, 17,500, 28,000 (in rupees). The number of employees having income more than mode and less than mean incomes is

22. The following table gives the area (in square km) and population (in lakh) of four cities :

City A B C D

Area 125 140 180 200

Population 25 40 60 50

The least densely populated city is

(a) A (b) B (c) C (d) D

23. A number when divided by 8, leaves a remainder 2. If cube of this number is divided by 8, the remainder will be

(a) 2 (b) 4 (c) 6 (d) None of these

24. The following chart shows the percentage of Engineers, Labours and Administrators working in a company. If total number of Engineers is 75, then the number of Labours is

(a) 100 (b) 150 (c) 175 (d) None of these

25. The following table gives the annual profit of a company (in lakh rupees) :

2008-09 2009-10 2010-11 2011-12 2012-13

590 620 656 690 726

The period which has maximum percent increase in profit over the previous year is :

(a) 2009-10 (b) 2010-11 (c) 2011-12 (d) 2012-13

26. The following table shows the number of Science, Arts and Commerce students in a group of boys and girls :

Science Arts Commerce Total

Boys 20 – 15 80

Girls 6 40 – –

Total – – 20 –

The total number of students in the group is

(a) 127 (b) 130 (c) 131 (d) 135

27. The following table gives the import and export (in million dollars) of a country :

Year 2010 2011 2012 2013

Import 150 175 170 200

Export 140 183 170 210

The average trade balance is

(a) 8/3 (b) 7 (c) 2 (d) 28/3

28. Electronic data processing is a modern technique of which of the following ?

(a) Programmed decision (b) Non-programmed decision

(c) Traditional decision (d) Promoting E-Governance

29. Your subordinate requires leave but your office work will be affected due to his absence because he is a key person for that work. You should

(a) refer his matter to your superior.

(b) sanction the leave.

(c) ask another person to do his work.

30. Authority means :

(i) power to take decision

(ii) power to communicate decisions to subordinates

(iii) power to influence the behaviour pattern of people in organization

(iv) power to make subordinates socially responsible

(a) only (i) is correct. (b) both (i) and (ii) are correct.

(c) (i), (ii) and (iii) are correct. (d) all the four options are correct.

31. The alphabet which appears in the middle of a meaningful word beginning with 'A' and

being formed by using the first, second, fourth, fifth and sixth letters of the word

'CONTRACT' is

(a) C (b) T (c) O (d) R

32. In the process of communication, which one of the following is in chronological order ?

(a) Communicator, medium, receiver, effect, message

(b) Medium, communicator, message, receiver, effect

(c) Communicator, message, medium, receiver, effect

(d) Message, communicator, medium, effect, receiver

33. Communication via new media such as computers, teleshopping, internet and mobile telephony is termed as

(a) Interactive communication (b) Entertainment

(c) Developmental communication (d) None of these

34. A number when divided by 17, leaves remainder 5. What remainder would be obtained by dividing the same number by 357 ?

(a) 42 (b) 41 (c) 39 (d) 35

35. If a carton containing one dozen eggs is dropped. Which one of the following can not be the ratio of broken eggs to whole eggs ?

(a) 5 : 7 (b) 1 : 4 (c) 1 : 2 (d) 1 : 5

36. Which of the following statement(s) is (are) true about decision-making ?

1. It is an act of determining a course of action.

2. It means choosing one alternative from among various alternatives.

3. It is synonymous with policy-making.

(a) 1, 2 and 3 (b) 1 and 2 (c) 1 and 3 (d) only 1

Instruction : Answer Q. Nos. 37 to 39 on the basis of the following data.

The food values and the unit price of a number of food items are given below :

Food % of

protein

% of

carbohydrate

% of

fats

Cost per

100 gms (₹)

A 10 20 30 1.80

B 20 15 10 3.00

C 20 10 40 2.75

37. Which of the following diets would supply maximum protein ?

- (a) 150 gm. of A and 200 gm. of B (b) 100 gm. of B and 200 gm. of C
(c) 500 gm of A (d) 350 gm of C

38. All the following diets would supply at least 75 gms of fats. Which of these diets would cost the least ?

- (a) 200 gm of A and 150 gm of B (b) 500 gm of B and 100 gm of A
(c) 300 gm of A (d) 200 gm of C

39. If one's diet has 100 gms. of A, B and C each, what is the amount of fat included in the diet ?

- (a) 45 gm. (b) 50 gm. (c) 65 gm. (d) None of the above

40. The notation $n!$ is defined as factorial n and it means the product of positive integers from 1 to n , for example $3! = 1 \times 2 \times 3$. Now form the sum $S = 1 + 2 + 3 + 4 + \dots$ upto ∞ .

If you divide this sum S by 8, the remainder is :

- (a) 0 (b) 1
(c) 2 (d) cannot be determined

41. The number of integers between 1 and 100 (including both) which are fully divisible by 3 or 5 is :

- (a) 47 (b) 49 (c) 51 (d) 53

42. Study the following statement and the assumptions and decide which of the assumptions is

implicit in the statement.

Statement :

If it does not rain throughout this month, most farmers will be in trouble.

Assumptions :

I. Timely rain is essential for farming.

II. Most farmers are generally dependent on rains.

(a) I (b) II (c) I and II (d) None of these

43. Consider the following statement and courses of action, decide which course/courses of action logically follows/follow for pursuing.

Statement :

Nuclear power can not make a country secure.

Courses of action :

I. We should stop further increasing our nuclear power.

II. We should destroy our nuclear capability.

III. We should focus on improving diplomatic relations.

(a) I (b) II (c) III (d) I and II

44. Study the following statement and the arguments and decide which argument(s) is (are) strong.

Statement :

Should seniority be only criterion for promotion ?

Arguments :

I. No, it would be an injustice to those juniors who are more deserving and suitable for higher position.

II. Yes, otherwise seniors will feel humiliated.

III. Yes, seniors are more experienced and must be rewarded.

(a) I and II (b) II and III (c) I (d) None of these

45. Study the following statement and conclusions and decide which conclusion is logical.

Statement :

Money plays a vital role in politics.

Conclusions :

I. The poor can never become politician.

II. All the rich men take part in politics.

(a) I (b) II (c) I and II (d) None of the above

46. Study the following statement and courses of action and decide which course(s) of action is (are) logical.

Statement :

The migration from villages to cities is detrimental to both.

Courses of action :

I. Rural postings should be mandatory.

II. Employment opportunities be created in villages.

47. The minimum number of colours required to fill the spaces in the diagram without any two adjacent spaces having the same colour is

(a) 6 (b) 5 (c) 4 (d) 3

48. Study the following statement and conclusions and decide which conclusion/conclusions is/are logical.

Statement :

Soldiers serve their country.

Conclusions :

I. Men generally serve their country.

II. Those who serve their country are soldiers.

III. Some men who are soldiers serve their country.

IV. Women do not serve their country because they are not soldiers.

(a) III (b) II (c) I (d) I and II

49. Study the following passage and find out which statement is best supported by this passage :

“The school has always been the most important means of transferring the wealth of

tradition from one generation to the next. This applies today in an even higher degree than in former times for, through the modern development of economy, the family as bearer of tradition and education has been weakened."

- (a) There are means other than schools for transfer of traditions.
- (b) Several different sources must be tried.
- (c) Economic development plays a crucial role.
- (d) Family as ever, is the most popular means.

50. In an envelope, there are some currency notes whose total value is 100/- and their number is 10. There is no currency note of 10/- denomination. How many notes of 5/- denomination are there in the envelope ?

- (a) 2 (b) 3 (c) 4 (d) 5

51. Form the product $S = 1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 \times 8 \times 9 \times \dots \times 50$

Counting from unit's place, the number of zeros in S is :

- (a) 10 (b) 11 (c) 12 (d) None of these

52. In the following, find the option which is different from the other three options, which are alike in some manner.

- (a) 71, 17, 11, 5 (b) 71, 67, 7, 3 (c) 37, 19, 15, 7 (d) 17, 13, 5, 3

53. There is given below a question followed by two statements :

Question : x and y are two numbers, what is x

y

?

Statement 1 (S1) : Their average is 5

2

times y.

Statement 2 (S2) : Their difference is 3.

Which one of the following is correct in order that specific answer to the question is obtained ?

- (a) Both the statements S1 and S2 are not sufficient to answer the question.

- (b) S1 alone is sufficient to answer the question.
- (c) S2 alone is sufficient to answer the question.
- (d) Either S1 alone or S2 alone is sufficient to answer the question.

54. There is given below a question followed by two statements :

Question : Is x greater than y ?

Statement 1 : x is greater than 30.

Statement 2 : y is greater than 27.

Which one of the following is correct in order that specific answer to the question is obtained ?

- (a) Both the Statements 1 and 2 together are necessary to answer the question.
- (b) Both the Statements 1 and 2 together are not sufficient to answer the question.
- (c) Statement 1 alone is sufficient to answer the question.
- (d) Statement 2 alone is sufficient to answer the question.

55. Below is given an Assertion (A) and Reason (R) thereof :

Assertion (A) : Salt is added to cook food at higher altitudes.

Reason (R) : Temperature is lower at higher altitudes.

Which one of the following is the correct answer ?

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (c) (A) is true but (R) is false.
- (d) (A) is false but (R) is true.

56. Below is given an Assertion (A) followed by Reason (R) :

Assertion (A) : Pressure cookers are fitted with ebonite handles.

Reason (R) : Ebonite is strong.

Which one of the following is the correct answer ?

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).

(c) (A) is true but (R) is false.

(d) (A) is false but (R) is true.

57. Below is given an Assertion (A) followed by Reason (R) :

Assertion (A) : We prefer to wear white clothes in winter.

Reason (R) : White clothes are good reflectors of heat.

Which one of the following is the correct answer ?

(a) Both (A) and (R) are true and (R) is the correct explanation of (A).

(b) Both (A) and (R) are true but (R) is not the correct explanation of (A).

(c) (A) is true but (R) is false.

(d) (A) is false but (R) is true.

58. Below is given an Assertion (A) followed by Reason (R) :

Assertion (A) : Goitre is a common disease in mountainous regions.

Reason (R) : Diet of the people in mountains lacks iodine content.

Which one of the following is the correct answer ?

(a) Both (A) and (R) are true and (R) is the correct explanation of (A).

(b) Both (A) and (R) are true but (R) is not the correct explanation of (A).

(c) (A) is true but (R) is false.

(d) (A) is false but (R) is true.

59. The digit in the unit's place of the number

$171999 + 111999 - 71999$ is

(a) 3 (b) 7 (c) 9 (d) None of these

60. Which of the following is correct ?

(a) The calendar for the year 2003 will serve for the year 2014.

(b) The calendar for the year 2003 was same as for 2013.

(c) The calendar for the year 2003 was same as for 2012.

(d) The calendar for the year 2003 was same as for 2011.

61. Land price is a big hindrance to competitive Indian product and services because

(a) More land is required for urbanization in India.

- (b) Urbanization has increased land prices in India.
- (c) Farmers are not ready to give their land for projects.
- (d) High land prices increase the fixed cost in business.

62. Which one of the following is most appropriate to ensure desired limit of forests prescribed in Indian forest policy ?

- (a) Transfer agriculture land to forest land
- (b) Increase forest land 2% per year
- (c) By afforestation of land in a scientific manner
- (d) Declare cutting of any kind of tree a criminal offence

63. Which of the following is different from the other three ?

- (a) 1719 (b) 2834 (c) 1528 (d) 2349

64. The relationship "Optimistic : Pessimistic" is best explained in which one of the following ?

- (a) Difficult : Impossible (b) Export : Import
- (c) Study : Play (d) Tolerating : Disgusting

65. Which one of the following is different from the other three ?

- (a) HIIIJ (b) PQQR (c) WYYZ (d) TUUV

66. Which one of the following is different from the other three ?

- (a) Algebra (b) Arithmetic (c) Geometry (d) Mathematics

Study the following figure and answer the question numbers 67, 68 and 69 :

67. What is the number of squares contained in the figure ?

- (a) 5 (b) 6 (c) 7 (d) 8

68. What is the number of straight lines which is needed to construct the above figure ?

- (a) 13 (b) 15 (c) 11 (d) 12

69. What is the number of triangles contained in the figure ?

- (a) 16 (b) 20 (c) 22 (d) 24

70. A is elder to B while C and D are elder to E who lies between A and C. If C is elder to B, which one of the following statements is necessarily true ?

(a) E is elder to B (b) A is elder to C (c) C is elder to D (d) D is elder to C

71. If 50% of $(x - y)$ is equal to 30% of $(x + y)$, then what percent of x is the value of y ?

(a) 400% (b) 40% (c) 15% (d) None of the above

72. The missing number in the following series :

5, 41, 149, 329, _____ is

(a) 481 (b) 489 (c) 581 (d) 589

73. If CONSTITUTION is coded as DNORUHUTUHPM in a certain language, how can DISTRIBUTION be coded in that language ?

(a) EHTSTHCTUPHM (b) EHTSSHCTUHPM

(c) BHTSSHCTUHPM (d) EHTSSHCTUJNM

74. Find the value of

$42 + 42 + 42 + \dots$ upto ∞

(a) 7 (b) -7 (c) -6 (d) None of these

75. What is the angle between the two hands of a clock at 9 : 50 hours ?

(a) 2° (b) 5° (c) 8° (d) 10°

76. Find the average of all the even numbers and the average of all the odd numbers from 1 to 45.

(a) 24 and 23 (b) 23 and 24 (c) 24 and 25 (d) 23 and 23

77. Find all the possible values of x (where x is an integer) for the following expression :

$5 < 3x + 2 \leq 17$

(a) 1, 2, 3, 4, 5 (b) 1, 2, 3, 4 (c) 2, 3, 4, 5 (d) 3, 4, 5

78. A person was appointed for a 50 days job on a condition that he will be paid ` 12 for every working day but he will be fined ` 6 for everyday he remains absent. After completion of work, he gets ` 420. For how many days he remained absent ?

(a) 5 days (b) 10 days (c) 12 days (d) 15 days

79. Find the missing number (marked as ?) in the following figure :

(a) 4 (b) 5 (c) 7 (d) 8

80. A result of a survey of 1000 students with respect to their knowledge of History (H),

Geography (G) and Civics (C) is given below :

What is the ratio of those who know all three subjects to those who know only Civics ?

(a) 1

9

(b) 1

10 (c) 5

27 (d) None of these

81 – 83 : Passage for comprehension

Note : Read the following passage carefully and answer the questions given below :

Since he returned from the war, things had not been quite the same. The day he returned, his fiancée and his family met him at the station. They embraced, and wept, and later on they laughed. His fiancée asked him if the war had been bad. He said it had been all right but he wished so many of his men had not been killed. She said she had been simply dying for him to come back. He said that was very nice of her. Then they talked of the blackouts and the air raids and the things they had seen on T.V. By the time they reached home she was saying that because of staying cooped indoors for so many evenings she had been eating too much and would now have to diet. Now, where he had come from, days on end, he had not met a man, woman or child who had not been hungry, always hungry.

81. Why did they embrace, weep and laugh when they met at the station ?

- (a) Because he was coming from a long distance.
- (b) Because he was coming after a long time.
- (c) Because they were so happy to see him safely back from the war.
- (d) Because the war was over.

82. Why were people always hungry at the place from where he had come ?

- (a) Because they were dieting.
- (b) Because there was a scarcity of food.
- (c) Because they did not like the food.
- (d) Because they had no time to eat.

83. The meaning of the word 'Cooped' is :

- (a) Confined (b) Being idle (c) Sitting (d) Sleeping

84. Which of the given alternatives best expresses the underlined part of the sentence ?

They venerated the old teacher.

- (a) respected (b) followed (c) questioned (d) argued

85. Give the one word substitution of 'the act of killing a person painlessly for reasons of mercy'.

- (a) Expiate (b) Euthanasia (c) Epitaph (d) Eradicate

86. Put the following sentence into indirect speech :

He said to me, "what were you doing ?"

- (a) He said to me what I was doing.
(b) He asked me what I had been doing.
(c) He asked me what I was doing.
(d) He asked me what was I doing.

87. What is the antonym of 'Dusky' ?

- (a) White (b) Interesting (c) Bright (d) Slow