

(Aptitude Test)

- Which of the following option is the closest in the meaning of the word below:
EXHORT A. urge B. B. condemn C. Restrain D. scold
- The question below consists of a pair of related words followed by four pair of words. Select the pair that best express the relation in the original pair.
A. amendment: law B. prologue: play C. episode: serial D. plot: story
- The committee wrote a..... report. Extolling only the strength of the proposal.
A. reasonable B. supportive C. biased D. fragmented
- If the company has to achieve real prosperity. It is.....that the fruits of progress reach all, and in equal measure. A. inevitable B. contingent C. oblivious D. imperative
- A person invests rs 1000 at 10% annual compound interest for 2 year. At the end of two years the whole amount is invested at annual simple interest of 12% for 5 year. The total value of the investment finally is.. A. 1776 B. 1760 C. 1920 D.1936
- The ban on smoking in designated public places can save large no of peoples from the well-known effects of environment tobacco smoke. Passive smoking seriously impairs respiratory health. The ban rightly seeks to protect non-smokers from its ill effects.
Which is a best sum up the above passage...?
A.effects of environment tobacco are well known
B. The ban on smoking in public places protects the non-smokers.
C. passive smoking is bad for health.
D. The ban smoking in public places excludes passive smoking.
- Give the sequence A,B,B,C,C,C,D,D,D,D....ETC. that is one A, two Bs, three Cs, four Ds five Es and so on, the 240th letter in the sequence will be... A. V B. U C. T D. W
- Consider the set of integer-(1,2,3.....,500). The number of integer that is divisible by neither 3 nor 4 is: A.1668 B. 2084 C. 2500 D.2916
- A positive integer m in base 10 when represented in base 2 has the representation p and in base 3 has the representation q. We get $p-q=1990$ where the subtraction is done in base 10. Which of the following is necessarily true: A. $m \geq 14$ B. $9 \leq m \leq 13$ C. $6 \leq m \leq 8$ D. $m < 6$
- Out of 7 consonants and 4 vowels, how many words of 3 consonants and 2 vowels can be formed? A. 24400 B.21300 C.210 D.25200
- In a group of 6 boys and 4 girls, four children are to be selected. In how many different ways can they be selected such that at least one boy should be there? A. 159 B.209 C.201 D.212
- From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?
A. 624 B. 702 C. 756 D. 812

13. In how many different ways can the letters of the word 'OPTICAL' be arranged so that the vowels always come together? A. 610 B. 270 C. 825 D. 920

14. John buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, what is his gain percent? A. 12% B. 10% C. 4.5% D. 5.45%

15. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, find out the value of x A. 15 B. 25 C. 18 D. 16

QUESTION-16 In a shop, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, find out approximately what percentage of the selling price is the profit?
A. 250% B. 100% C. 70% D. 30%

17. Insert the missing number. 12, 25, 49, 99, 197, 395, (...) A. 789 B. 1579 C. 722 D. 812

18. Insert the missing number. 34, 7, 37, 14, 40, 28, 43, (...) A. 31 B. 42 C. 46 D. 56

19. Find the odd man out. 1, 3, 9, 12, 19, 29 A. 12 B. 9 C. 1 D. 3

20. Find the odd man out. 1, 8, 27, 64, 125, 196, 216, 343 A. 64 B. 196 C. 216 D. 1

21. The cube root of 0.000729 is A. 0.09 B. 0.9 C. 0.21 D. 0.11

22. What is the least perfect square which is divisible by each of 21, 36 and 66?
A. 213444 B. 214434 C. 214344 D. 231444

23. $(132)^7 \times (132)^? = (132)^{11.5}$. A. 3 B. 3.5 C. 4 D. 4.5

24. $(6)^{6.5} \times (36)^{4.5} \div (216)^{4.5} = (6)^?$ A. 1 B. 2 C. 4 D. 6

25. A can run 224 metre in 28 seconds and B in 32 seconds. By what distance A beat B?
A. 36 metre B. 24 metre C. 32 metre D. 28 metre

26. In a 100 m race, A can give B 10 m and C 28 m. In the same race B can give C :
A. 20 m B. 15 C. 10 D. 25

27. In a dairy farm, 40 cows eat 40 bags of husk in 40 days. In how many days one cow will eat one bag of husk? A. 1 B. 40 C. 20 D. 26

28. If 7 spiders make 7 webs in 7 days, then how many days are needed for 1 spider to make 1 web?
A. 1 B. 7 C. 3 D. 14

29. An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon? A. 154° B. 180° C. 170° D. 160°

30. Two pipes A and B can fill a cistern in $37\frac{1}{2}$ minutes and 45 minutes respectively. Both pipes are opened. The cistern will be filled in just half an hour, if pipe B is turned off after:
A. 5 min B. 9 min C. 10 min D. 15 min

Civil

1. In a mortar, the binding material is A. cement B. sand C. surkhi D. cinder.
2. Lacquer paints
A. are more durable as compared to enamel paints B. consist of resin and nitro-cellulose
C. contain alcohol as thinner D. all the above.
3. Wrought iron contains carbon upto A. 0.25% B. 1.0% C. 1.5% D. 2%.
4. Pick up the polymineralic rock from the following:
A. Quartz sand B. Pure gypsum C. Magnesite D. Granite
5. Pick up the correct statement from the following:
A. For mass concrete structures subjected to wetting and drying, the water ratio should be 0.55
B. For thin structures which remain continuously under water, the water-cement ratio by weight should be 0.55
C. For massive concrete structures which remain continuously under water, the water cement ratio by weight should be 0.65
D. All the above.
6. The rocks in which argil (or clay) predominates, are called
A. silicious rocks B. argillaceous rocks C. calcareous rocks D. igneous rocks.
7. A badly mixed cement concrete results in
A. segregation B. bleeding C. honey combing D. none to these.
8. Pick up the correct statement regarding low heat cement from the following:
A. Its initial setting time is about one hour B. Its final setting time is about 10 hours
C. Its mainly used for mass concrete work D. All the above.
9. Chemically, marble is known as
A. metamorphic rock B. argillaceous rock C. calcareous rock D. silicious rock.
10. Inner part of a timber log surrounding the pitch, is called
A. Sapwood B. cambium layer C. heart wood D. none to these.
11. A bull nose brick is not used for
A. rounding off sharp corners B. Pillars C. decoration purpose D. arches.
12. Red short iron cracks when bent due to the presence of
A. sulphur B. Carbon C. phosphorus D. silicon.
13. Linseed oil is used in paints as A. thinner B. Vehicle C. base D. drier.
14. Plaster of Paris is obtained by calcining A. bauxite B. Gypsum C. Kankar D. lime stone
15. For high grade instruments the steel preferred to, is
A. cast steel B. bessemer steel C. mild steel D. Whit worth compressed steel.