

NAME: _____ BRANCH: _____ TIME: 30 MIN B.E

1. Which word cannot be formed by using the letters of: FLOWERBED?

(a) WOLF (b) LOWER (c) FOLLOWER (d) FREED

2. A alone can do a piece of work in 6 days and B alone in 8 days .A and B undertook to do it or Rs. 3200. With the help of C ,they completed the work in 3 days .How much is to be paid to C

A.Rs. 375 B.Rs. 600 C.Rs. 400 D.Rs. 800

3. If each alphabet is assigned a sequential numerical value in terms of even numbers on the basis of their position in the English alphabet, viz. A = 2, B = 4, C = 6 and so on, what will be the value of the word LOCATION ?

A. 180 B. 182
C. 186 D. 178

4. A milk vendor has 2 cans of milk .The first contains 25% water and the rest milk. The second contains 50% water. How much milk should he mix from each of the container so as to get 12 litres of milk such that the ratio of water to milk is 3:5?

A.6 litres B.1 litres C.8 litres D.7 litres

5. Doctors and lawyers _____ that , advertising will certainly ____ their profession.

(a) plead, escalate (b) argue, effect (c) trust, damage (d) believe, affect

6. 60% of the students in a school are girls. If the total number of girls in the school is 690, find the number of boys in the school.

A.355 B.460 C.490 D.450

7. 65% of 7+35% of 3 =? % of 56

A.1 B.10 C.50 D.100

8. With an increase of Rs. 2,000, Vishnu's monthly salary became Rs. 12,000. What is the percent increase in his salary?

A.20 B.25 C.40 D.80

9. A man buys pencils at 10 for Rs. 3 and sells at 8 for Rs. 3. His gain percent is

- A.20 B.25 C.30 D.27

10. A and B can do a work in 12 days ,B and C in 15 days .A and C in 20 days .If A,B and C work together ,they will complete the work in:

- A.5 days B.10 days C.7 days D.12 days

11. A and B can do a work in 8 days , B and C can do the same work in 12 days . A , B and C work together can finish it in 6 days .A and C together will do it in:

- A.12 days B.4 days C.6 days D.8 days

12. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds .If the speed of the train is 54 km/hr ,what is the length of the platform?

- A.180 m B.200 m C.240 m D.300 m

13. 10 women can complete a work in 7 days and 10 children take 14 days to complete the work.How many days will 5 women and 10 children take to complete the work?

- A.7 B.5 C.3 D.None of these

14. If the means of 5 observations $x, x+2, x+4, x+6$ and $x+8$ is 11 ,then the mean of the last three observations is :

- A.17 B. 15 C. 13 D. 11

15. A painter mixes blue paint with white paint so that the mixture contains 10% blue paint. In a mixture of 40 litres paint how many litres blue paint should be added so that the mixture contains 20% of blue paint.

- A. 2.5 litres B. 4litres C. 5litres D.2 litres

16. P and Q sit in a ring arrangement with 10 persons. What is the probability that P and Q will sit together?

- A) 2/11 B) 3//11 C) 4/11 D) 5/11 E) None of these

17. Three coins are tossed. What is the probability of getting at most two tails?

- A) 1/8 B) 5/8 C) 3/8 D) 7/8 E) None of these

18. A bag contains 2 yellow, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?

- A) $\frac{5}{7}$ B) $\frac{1}{21}$ C) $\frac{10}{21}$ D) $\frac{2}{9}$ E) None of these

19. How many 4-letter words can be formed out of the letters of the word, 'LOGARITHMS', if repetition of letters is not allowed?

- A. 400 B. 4050 C. 5040 D. 5773 E. None of these

20. 6, 12, 21, ?, 48

- A. 33 B. 39 C. 36 D. 31 E. None of these

21. In a certain code language the word BREAKDOWN is written as DQGCJFQVP. How will the word MENSTRUAL be written in that code language ?

- A. ODPRVQWZN B. ODPUSTWZN
C. OPDUSTWZN D. OPDUSWTZN

22. Four of the following five are similar in relation to their positions in the English alphabet and hence form a group. Which one does not belong to that group ?

- A. PKSOV B. HPKTN
C. ARDUG D. JTMXP

23. In each of the following questions two equations are given. Solve these equations and give answer :

- A) if $x \geq y$, i.e x is greater than or equal to y
B) if $x > y$, i.e x is greater than y
C) if $x \leq y$, i.e x is less than or equal to y
D) if $x < y$, i.e x less than y
E) if $x = y$, or no relation can be established between x and y

I. $x^2 + 20 = 9x$

II. $y^2 + 42 = 13y$

24. Foreign investors from Spain & France _____ freight corridor and _____ it in a time bound manner.

- (a) Gives, completed (b) dedicated, implemented
(c) stressed, completed (d) inaugurated, dedicated

25. The average age of 35 students in a class is 16 years .The average age of 21 students is 14. What is the average age of remaining 14 students?

- A.17 years B. 18 years C. 19 years D. 15 years

26. The murderer appeared to be tongue-tied and ... when it was his turn to speak.

- (a) detailed (b) shy (c) talkative (d) exhaustive (e) inarticulate

27. It helps to do some ... work before giving a competitive examination.

- (a) sorting (b) organized (c) preparatory (d) relaxed (e) strenuous

28. c_ab_ca_bc_a

- (a) b c a b (b) a b c b (c) b a c b (d) c b a c

29._ba_bab_babb_b

- (a) b a a a (b) a b b b (c) b a b b (d) a b a b

30. Two trains 100 metres and 120 me es long are running in the same direction with the speeds of 72 km/hr and 54 km/hr .In how much time will the first train cross the second?

- A.45 second B.44.5 second C.44 second D.41.2 second