

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