

1. Identify the sentence that uses the modal verb to express a polite request:  
A. Can you help me with this report?  
B. Must you finish so soon?  
C. You should complete your work.  
D. He will come tomorrow.
  
2. Select the most appropriate synonym of the given word.  
EXALT  
A. challenge  
B. condemn  
C. praise  
D. extract
  
3. Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.  
A. In 1944, he was honoured by King George VI with a Knighthood and became Sir Alexander Fleming.  
B. On receiving this great honour, Fleming said in his usual modest way, "Wherever I go, people thank me for saving their lives. I didn't do anything; I just found a remedy that was there."  
C. Fleming became famous overnight and was regarded as one of the most distinguished scientists of his time.  
D. The next year, he and his fellow bacteriologists, whose combined efforts had led to the great discovery, were honoured with a joint Nobel Prize.  
A. CDBA  
B. CABD  
C. ADBC  
D. CADB
  
4. Identify the figure of speech in the sentence:  
"Silence screamed in the empty hall."  
A. Oxymoron  
B. Personification  
C. Metaphor  
D. Alliteration
  
5. Select the option that expresses the given sentence in active voice.  
Were the cakes being baked by them?  
A. Had they been baking the cakes?  
B. Were they baking the cakes?  
C. They were baking the cakes, weren't they?  
D. None of these

6. If in a coded language 'UNIQ' is written as 'SJCI' then in the same coded language, 'MODE' will be written as :

- A. KKXW
- B. KLXV
- C. LKXW
- D. KKYY

7. Statements

Some Sofas are Stools

All Stools are Thrones

All Thrones are Chairs

Conclusions

I. All Stools are not Chairs

II. Some Sofas are not Thrones

A. Only conclusion I follows

B. Only conclusion II follows

C. Both conclusions I and II follow

D. Neither conclusion I nor II follows

8. Statement: Workers shifting from villages to cities in large numbers, as has been observed recently, is an unhealthy trend.

Courses of action:

I. Firms in cities should be barred from hiring rural workers.

II. New schemes that can help generate employment in rural areas should be launched.

III. It should be compulsory for workers in cities to also work in rural areas for some duration.

A. Only II

B. Only III

C. Only II and III

D. Only I and II

9. Find the missing number:

$$2\ 2\ 2\ 2 = 0$$

$$4\ 4\ 4\ 4 = 8$$

$$6\ 6\ 6\ 6 = 24$$

$$8\ 8\ 8\ 8 = ?$$

A. 40

B. 64

C. 72

D. 48

10. 7 2 4 5 8 9 6 3 2 1 5 4 7 8 9 5 6 3 2 1 4 5 8 3

If the first half of the series from the left end is reversed, then which element will be sixteenth from the right end?

A. 2

B. 8

- C. 5
- D. None of these

11. To reduce losses of the fuel marketing companies, the government has decided to deregulate the diesel and petrol prices. Which of the following, if true, will strengthen the claim made in the argument above?

- A. If prices of petrol and diesel are increased, the demand for them will fall sharply.
- B. Fuel consumption patterns rarely show any changes in the amount consumed with fluctuation in price.
- C. Automobile sales have dipped rapidly.
- D. Farmers use diesel to run machines for agriculture.

12. Rajeev is the brother of Shubham. Karuna is the sister of Ajay. Shubham is the child of Karuna. How is Shubham related to Ajay?

- A. Son
- B. Brother
- C. Nephew
- D. Cannot be determined

13. A clock reads 9:30 in the morning. What time will the clock show if the hour hand rotates  $50^\circ$  from this time?

- A. 11:10 am
- B. 10:50 am
- C. 10:20 am
- D. 11:35 am

14. The marked price of a chair and a table are in the ratio 2 : 3. The shopkeeper gives 20% discount on the chair. If the combined discount on both the chair and the table is 26%, then what will be the discount given on the table?

- A. 34%
- B. 32%
- C. 30%
- D. None of these

15. A, B and C started a business with their capitals in the ratio 4:2:9. At the end of every quarter, A halves his capital whereas B doubles his capital and C leaves his capital unchanged. If at the end of a year, A's profit was 24,000, then what is the total profit?

- A. 2,35,200
- B. 2,30,400
- C. 2,16,000
- D. 2,25,600

16. Solve for x:  $\log(2x^2 + 17) = 2 \log(x - 3)$ .

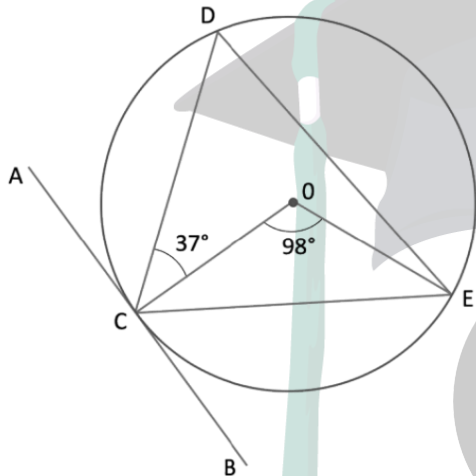
- A. 2, 4

- B. -2, -4
- C. 3, 4
- D. -3, -2

17. Two pipes A and B can fill a cistern in 12.5 hours and 25 hours, respectively. The pipes are opened simultaneously and it is found that due to a leakage in the bottom, it took 1 hour 40 minutes more to fill the cistern. When the cistern is full, in how much time will the leak empty the cistern?

- A. 37.5 hours
- B. 60 hours
- C. 50 hours
- D. 45 hours

18. In the give figure, line AB is a tangent to the circle at C. Find  $\angle ECB$ .



- A.  $37^\circ$
- B.  $49^\circ$
- C.  $53^\circ$
- D. None of these

19. The number of ways in which 6 men and 5 women can dine at a round table, if no two women are to sit together, is given by:

- A.  $7! \times 5!$
- B.  $5! \times 5!$
- C.  $5! \times 4!$
- D.  $6! \times 5!$

20.  $xy37$  is a prime number. Which of the following digits could be  $xy$ ?

- A. 15
- B. 23
- C. 30
- D. 41

**Answers:**

1. A
2. C
3. D
4. B
5. B
6. A
7. D
8. A
9. D
10. C
11. B
12. D
13. A
14. C
15. A
16. B
17. C
18. B
19. D
20. C

