

1. Select the most appropriate meaning of the given idiom.

A long shot

A. A perfect aim

B. Little chance of success

C. Very profitable

D. A correct prediction

2. Mark the option with an error in it.

A. She attacked my

B. thesis on Gandhi,

C. which provoked my counterattack.

D. No error.

3. Identify the figure of speech in the sentence:

"Her smile is as bright as the sun."

A. Simile

B. Metaphor

C. Euphemism

D. None of these

4. Select the most appropriate ANTONYM of the underlined word.

Her parents forbade her from marrying her lover.

A. prescribed

B. sanctioned

C. obstructed

D. deterred

5. Select the option that expresses the given sentence in passive voice.

The ruler of the community had already passed a decree against that decision.

A. A decree had already passed by the ruler of the community against that decision.

B. A decree was already being passed by the ruler of the community against that decision.

C. A decree was already passed by the ruler of the community against that decision.

D. A decree had already been passed by the ruler of the community against that decision.

6. In a certain code language, 'SOLID' is coded as '64' and 'POUR' is coded as '74'. How will 'TON' be coded as in that language?

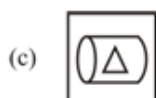
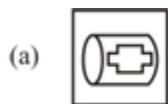
A. 60

B. 46

C. 52

D. 49

7. Select the figure that can replace the question mark in the following series.



8. Which number will be next in the following series?

5, 12, 22, 46, 90, ?

- A. 184
- B. 182
- C. 180
- D. 178

9. Statement: Four districts in state A have been experiencing severe drought for the past 3 years, leading to an exodus of residents.

Courses of Action:

I. The government should immediately start a work program in the district to put a halt to the exodus.

II. The government should make an effort to provide potable water to these districts.

III. The government should start investing in projects for the effective use of resources during drought times.

- A. Only I and II follow
- B. Only II follows
- C. All I, II, and III follow
- D. I and III follow

10. In a family of six persons, A, B, C, D, E and F, C is the father of B. A is the mother of F. D is the son of B. E is the mother-in-law of B's wife. F is the sister of D. How is C related to E?

- A. Father
- B. Father-in-law
- C. Husband
- D. None of these

11. Statements:

1. Some vowels are digits.
2. Some digits are consonants.

Conclusions:

- I. No consonant is a vowel.
 - II. No digit is a vowel.
 - III. Some consonants are vowels.
- A. Only conclusions I and II follow
 - B. Only conclusions II and III follow
 - C. All the conclusions follow
 - D. Either conclusion I or III follows

12. A, B, C, D, E and F, not necessarily in that order, are sitting on six chairs regularly placed around a round table. It is observed that:

- A is between D and F
- C is opposite D
- D and E are not on neighbouring chairs

Which one of the following pairs must be sitting on neighbouring chairs?

- A. C and E
- B. A and B
- C. B and F
- D. A and C

13. Statements:

I. It is the aim of the city's civic authority to reduce air pollution by 20% in the next two months.

II. The number of asthma cases in the city is constantly increasing.

- A. Statement I is the cause and statement II is its effect
- B. Statement II is the cause and statement I is its effect
- C. Both the statements I and II are effects of some common cause
- D. Both the statements I and II are effects of independent causes

14. A train covered a certain distance at a uniform speed. If the train had been 6 km/h faster, it would have taken 4 hours less than the scheduled time. And, if the train were slower by 6 km/h, it would have taken 6 hours more than the scheduled time. Find the distance covered by the train.

- A. 600 km
- B. 720 km
- C. 750 km
- D. 900 km

15. Water flows at the rate of 5 km/hr through a pipe of diameter 14 cm into a rectangular tank that is 50 m long and 44 m wide. Determine the time in which the level of the water in the tank will rise by 7 cm.

- A. 60 minutes

- B. 90 minutes
- C. 100 minutes
- D. None of these

16. What is the sum of the first 30 terms of the series $\sqrt{2} + \sqrt{8} + \sqrt{18} + \sqrt{32} + \dots$?

- A. 465
- B. $465\sqrt{2}$
- C. 930
- D. $930\sqrt{2}$

17. The ratio of alcohol to water in two containers, A and B, are 5:3 and 1:3, respectively, with both containers having infinite capacity. Suppose that the aim is to obtain 2.4 litres of liquid which is composed of equal quantities of alcohol and water. How much liquid should be drawn from A?

- A. 1.6 litres
- B. 1.5 litres
- C. 1.2 litres
- D. 0.8 litres

18. What is the minimum number of times a fair coin must be tossed so that the probability of getting at least one head exceeds 0.95?

- A. 7
- B. 6
- C. 5
- D. 4

19. If $y > 0$, $\log_y x = 4$, $\log_{10y} 25x = 2$, find the value of x .

- A. 16
- B. 81
- C. 625
- D. None of these

20. 3 bells ring at intervals of 3 hours, 5 hours and 9 hours respectively. If they had rung together at 6 p.m. on Monday, when will they ring together next?

- A. 12 pm Wednesday
- B. 3 pm Wednesday
- C. 6 pm Wednesday
- D. 9 pm Wednesday

Answers:

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

