

VERBAL REASONING

Complete the sentences by choosing the best option, from the given lettered choices (A to D) below each.

1. He lost his _____ when the policeman stopped him.

- A. character
- B. language
- C. pride
- D. temper

2. Open your workbook _____ page 7.

- A. at
- B. in
- C. on
- D. through

Four lettered pairs (A to D) follow a related pair of words given in the question. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair in capital letters.

3. PETAL: FLOWER::

- A. base: ball
- B. puppy: dog
- C. sandals: shoes
- D. tire: bicycle

4. BINDING: BOOK::

- A. artist: carpenter
- B. display: museum
- C. frame: picture
- D. nail: hammer

Choose the lettered word or phrase that is **MOST NEARLY OPPOSITE** in meaning to the word in capital letters.

5. If something is **HORRIFIC** it is not _____.

- A. complete
- B. frightening
- C. important
- D. pleasant

Choose the lettered word or phrase that is **MOST NEARLY SIMILAR** in meaning to the word in capital letters.

6. If you are **DARING**, you are _____.

- A. careful
- B. courageous
- C. powerful
- D. wealthy

Questions 7-8 are based on the following paragraph.

At that time everyone believed that the Earth was at the centre of the universe. But Copernicus realized that this picture did not agree with astronomical observations. He worked out that the Sun was at the centre with all the planets moving around it. He said that our Earth takes a year to travel around the Sun, and also revolves once every 24 hours. Copernicus believed that the planets moved around the Sun in perfect circles. Fifty years later, Kepler used Tycho Brahe's extremely accurate measurements to show that they do not.

7. Copernicus' belief that the Sun was at the centre of the universe was based on _____.

- A. common sense
- B. his astronomical observations
- C. mathematical calculations
- D. observations of other astronomers

8. The belief that the earth was at the centre of the universe was held at that time by _____.

- A. Copernicus
- B. everybody
- C. the uneducated persons
- D. nobody

QUANTITATIVE REASONING

9. Evaluate $2\{[59 + (-42)] + [-75 - (-120)]\} =$ _____.

- A. -124
- B. -62
- C. 62
- D. 124

10. A train is moving with a speed of 90Km/h. Find the distance covered by train in 9 minutes.

- A. 12km
- B. 13km
- C. 13.5km
- D. 135km

11. If $f(x) = (x + 3)^2$ and $f(x) = 16$, then $x =$ _____.

- A. -1, -7
- B. 1, -7
- C. -1, 7
- D. 7, 1

12. In 24 hours, the hands of the clock meet each other _____ times.

- A. 20
- B. 21
- C. 22
- D. 24

13. $\cos 57^\circ =$ _____.

- A. $\sec 33^\circ$
- B. $\sin 33^\circ$
- C. $\sin 57^\circ$
- D. $\tan 33^\circ$

14. If 420 men have sufficient food for 32 days, how many men remained so that the same food be sufficient for 42 days?

- A. 50
- B. 100
- C. 131
- D. 320

MATHEMATICS

15. Absolute value of $2 + 3i$ is _____.

- A. 2
- B. 3
- C. $\sqrt{5}$
- D. $\sqrt{13}$

16. $A - B =$ _____.

- A. $A' \cap B$
- B. $A \cup B$
- C. $A \cap B$
- D. $A \cap B'$

17. The value of dy/dx in $x^2y^2 - 3 = 0$ is _____.

- A. x/y
- B. $-x/y$
- C. y/x
- D. $-y/x$

STATISTICS

18. $1^2 + 2^2 + 3^2 + \dots + n^2 = \sum_{k=1}^n K^2 = \underline{\hspace{2cm}}$.

- A. n^2
- B. $(2n + 1)(n + 1)/6$
- C. $n(n + 1)/2$
- D. $n(2n + 1)(n + 1)/6$

19. If variance of a data is 100 and its mean is 50 then the value of coefficient of variation is $\underline{\hspace{2cm}}$.

- A. 20%
- B. 50%
- C. 100%
- D. 200%

20. Prices and quantities both are used for computing $\underline{\hspace{2cm}}$.

- A. chain relatives
- B. link relatives
- C. price relatives
- D. weighted index numbers

ECONOMICS

21. The production cost which changes directly with change in the level of output is called _____ cost.

- A. fixed
- B. historical
- C. indirect
- D. variable

22. The change in total product by increasing one unit of input is called _____ product.

- A. average
- B. fixed
- C. marginal
- D. total

23. Which of the following terms used for the purpose that a buyers must pay for the goods at the time of its delivery?

- A. Barter
- B. Cash on delivery
- C. Give and take
- D. Payment on delivery

ANSWER KEY

1	D	7	B	13	B	19	A
2	A	8	B	14	D	20	D
3	D	9	D	15	D	21	D
4	C	10	C	16	D	22	C
5	D	11	B	17	D	23	B
6	B	12	C	18	D		