# 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 <u>they</u> 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. $\text{Cos } 57^o$ = _____.

    A.   Sec 33$^o$
    B.   Sin 33$^o$
    C.   Sin 57$^o$
    D.   Tan 33$^o$

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 + 3$i$ 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 + \ldots + n^2 = \sum_{k=1}^{n} K^2 = $ _____.

    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 _____.

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

20. Prices and quantities both are used for computing _____.

    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 |  |  |

**Note:** Write two essays (one argumentative and one narrative) on the following topics either in English or in Urdu language on the given sheet.

**نوٹ**: نیچے دیئےگئے دونوں سوالات فراہم کردہ شیٹ پر اردو یا انگریزی زبان میں حل کریں۔

24. **Write an argumentative essay on any one of the following topics.** **15 Marks**

    I. **Does technology limit creativity?**
    II. **Are standardize tests effective?**
    III. **Can we reduce poverty in Pakistan?**

مندرجہ ذیل میں سے کسی ایک عنوان پر مضمون لکھیں۔    ۱۵ نمبر

I.    کیا ٹیکنالوجی تخلیقی صلاحیتوں کو محدود کرتی ہے؟

II.    کیا معیاری ٹیسٹ موئثر ہیں؟

III.    کیا ہم پاکستان میں غربت کم کر سکتے ہیں ؟

25. **The beginnings of three narrative essays are given below. Select anyone beginning and write the complete essay**
**10 Marks**

    I. **A day at the Amusement Park.**
    II. **The novel that touched me the most.**
    III. **A time when you experienced something truly frightening.**

مندرجہ زیل مضامین کے عنوانات میں سے ایک شروعات چُن کر مکمل مضمون تحریر کریں۔    ۱۰ نمبر

I.    ایک دن تفریح پارک میں۔

II.    وہ ناول جس نے مجھے سب سے زیادہ متاثر کیا۔

III.    ایک ایسا وقت جب آپ نے واقعی خوفناک چیز کا تجربہ کیا۔