ENGLISH

Complete the sentences by choosing the most appropriate word, from the given lettered choices (A to D) below each.

1. The witness was threatened _____ dire consequences.

    A. of
    B. with
    C. by
    D. from

2. Earthquakes cause vibrations to pass _____ around the earth in wave form.

    A. through
    B. through the
    C. through an
    D. through and

Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.

3. PRESCIENCE

    A. Foresight
    B. Ignorance
    C. Negligence
    D. Pomposity

4. Moral:

    A. ethical
    B. honest
    C. vicious
    D. upright

Choose the word most similar in meaning to the capitalized ones.

5. PHOTIC:

    A. Light
    B. Lenses
    C. Photography
    D. Darkness

6. FEEBLE:

    A. faint
    B. strong
    C. vigorous
    D. sane

Questions 7-11 are based on the following passage.

A great scholar recognized that, while all men should have equal opportunity, all did not have the same capacity. Some had the ability to earn more than others. But he believed that those who had talent would be performing the work of society if they used their talent wisely and well. He said that he would allow a man of intellect to earn more and not suppress his talent. But it was his view that the bulk of his larger earnings should go to the common fund. Those with talent and opportunity would find their fulfillment as trustees.
He extended this concept of trusteeship to cover all fields of life.

7. The scholar mentioned in the passage never believed in:

    A.   social equality
    B.   equality of opportunities
    C.   political equality
    D.   complete equality in all respects

8. The scholar's trusteeship concept is:

    A.   a philosophy
    B.   applicable to social life only
    C.   applicable to all fields of life
    D.   irrelevant today

9. According to him, one can serve the society:

    A.   if one is talented
    B.   if one used his talent wisely
    C.   if one earned well
    D.   if one worked honestly

10. The passage primarily discusses the scholar's:

    A.   Character
    B.   Views
    C.   Services
    D.   Personality

11. He believed that a man of intellect should:

    A.   earn as much as he needs
    B.   earn for others, not for himself
    C.   earn more and not suppress his talent
    D.   live on charity

IQ

12. Javed will be 6-times as old in 50-years as he is now. What is the present age of Javed?

    A.   10 years
    B.   12 years
    C.   15 years
    D.   20 years

13. If "BOY" is coded as 539 and "GIRL" is coded as 8627. Then how would you encode "GLORY"?

    A.   23879
    B.   98732
    C.   86932
    D.   87329

14. Continue the following series:
    7, 9, 18, 20, 40, 42, 84, _____.

    A.   86
    B.   172
    C.   90
    D.   92

GENERAL KNOWLEDGE

15. ILS means:

      A.   Internal landing system
      B.   Illegal landing selection
      C.   Instrumental landing system
      D.   None of the above

16. Flying time of an aircraft is calculated from:

      A.   Door close to door open
      B.   From starting engine to switch off
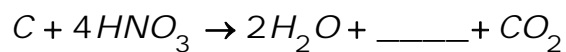   C.   From chalk out to chalk in
      D.   From take off to landing

BASIC CHEMISTRY

17. Hydrogen gas is:

    I.   highly inflammable
    II.   insoluble in water
    III.   the lightest gas

    A.   I only
    B.   II only
    C.   III only
    D.   I, II and III

18. Complete the following chemical reaction:

$$C + 4HNO_3 \rightarrow 2H_2O + \underline{\qquad} + CO_2$$

    A.   2NO
    B.   4NO
    C. $4NO_2$
    D.   NO

19. The rate of a chemical reaction is:

    A.   determined from a balanced chemical equation
    B.   the change in concentration of products and reactants in a certain amount of time
    C.   not possible to determine experimentally
    D.   expressed in units of time

BASIC MATHEMATICS

20. A table was purchased for Rs.500 and sold for Rs.450. the profit/loss is:

    A.   Rs.50 profit
    B.   Rs.60 profit
    C.   Rs.50 loss
    D.   Rs.60 loss

21. If 7x - 3x = 7x + 3x − 24, then what is the value of x?

    A.   -4
    B.   -2
    C.   0
    D.   2
    E.   4

22. $\left(\dfrac{2}{3}\right)^3$ =?

    A.   8/27
    B.   6/9
    C.   4/9
    D.   16/27
    E.   16/9

23. The ratio of $\dfrac{1}{4}$ to $\dfrac{3}{5}$ is:

    A.   1 to 3
    B.   3 to 20
    C.   5 to 12
    D.   3 to 4
    E.   5 to 4

24. If the area of the circle is π , what is the length of its circumference?

    A.   1
    B.   2
    C. π
    D. 2π
    E. 3π

ANSWER KEY

Q #.	Right Choice
1	B
2	D
3	B
4	C
5	A
6	A
7	D
8	C
9	B
10	B
11	B
12	A
13	D
14	A
15	C
16	C
17	D
18	C
19	B
20	C
21	E
22	A
23	C
24	D