SAMPLE PAPER

LAB TECHNICIAN

(BS-11)

ENGLISH

Choose the best option, from the given choices below each sentence.

1. **He has no objection _____ my proposal.**

    A) to
    B) for
    C) in
    D) too

Choose the best opposite of the following words.

2. **HINDER:**

    A) alter
    B) obstruct
    C) help
    D) spoil

Choose the best same meaning of the following words.

3. **RESPECTED:**

    A) performer
    B) notorious
    C) honored
    D) wise

Each question below consists of a related pair of words, followed by five lettered pairs of words. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair.

4. **GLARING: BRIGHT::**

    A) iridescent: colorful
    B) perceptible: visible
    C) discordant: harmonious
    D) peppery: salty
    E) deafening: loud

Read the following passage to answer question (4)

Soft-bodied animals like caterpillars often fall a prey to voracious hunters like birds or reptiles. Despite having no means to 'actively' defend themselves, with weapons like claws or jaws,' they have nevertheless, evolved other equally effective deterrents. A particular species of the caterpillar lives at an altitude of over 2,500 metres in the Himalayas. It uses prominent colours. to inform would-be predators of its inedibility. In the event that an inexperienced or adventurous bird did eat the caterpillar, it would probably vomit it out soon after, and subsequently desist from attacking similar species in. the future. Though this would do the unfortunate victim no good, the species benefits. A rare example of the martyr among animals.

5. Caterpillars cannot defend themselves because they:

      A)   are lazy
      B)   have no claws or jaws
      C)   are passive animals
      D)   cannot acquire weapons

MATH

6. Suppose $x = y - 2 = \dfrac{y+5}{2}$. Then x equals:

    A) $\dfrac{1}{3}$

    B)   1

    C) $\dfrac{7}{6}$

    D)   2

    E)   7

7. In January, 55 percent of a hospital's 300 patients were women. In February, 30 percent of its 440 patients were women. What was the percent change in the number of women patients from January to February?

    A)   decrease of 20%
    B)   increase of 20%
    C)   decrease of 25%
    D)   increase of 25%
    E)   increase of 46.67%

8. A room is 16 feet in length, 15 feet in width, and 12 feet in height. What is the maximum distance possible in feet along a straight line between any two points in the room?

    A)   15
    B)   20
    C)   25
    D) $10\sqrt{2}$
    E) $10\sqrt{3}$

9. **5 3 1 8 7 5 1 5 6 3 5 2 0 9 5 3 5 1 0 2 5 8 7 1 5 3 3**
   5 0 1 3 5 5 3 2 5
   Count each 5 above that has a 3 next after it. Tell how many 5's you count.

      A)   3
      B)   4
      C)   5
      D)   6

10. **Complete the given series 6, 13, 28, ...:**

      A)   56
      B)   57
      C)   58
      D)   59

11. **If X is the brother of the son of Y's son, how is X related to Y?**

      A)   son
      B)   brother
      C)   cousin
      D)   grandson
      E)   uncle

GENERAL KNOWLEDGR

12. Which of the following is referred by per capita?

    A)   By head
    B)   By law
    C)   By the way
    D)   By legal means

13. In Pakistan summer season rain fall is caused by:

    A)   Due to heat
    B)   Due to cold wind
    C)   Due to storm
    D)   Due to monsoon

14. Which of the following province is the smallest according to population?

    A)   Punjab
    B)   Sindh
    C)   Baluchistan
    D)   KPK

15. Which civilian award did President Asif Ali Zardari announce for the visiting Presidents of Kazakhstan and Uzbekistan in early 2026?

    A)   Sitara-e-Imtiaz
    B)   Hilal-e-Pakistan
    C)   Nishan-e-Pakistan
    D)   Tamgha-e-Jurat

SUBJECT

16. Unit for self inductance is:

    A)   **Ohm**
    B)   **Henry**
    C)   **Ampere**
    D)   **Candela**

17. Phenol reacts with alkalis to from:

    A)   **Acids**
    B)   **Bases**
    C)   **Water**
    D)   **Salts**

18. The layer of gases surrounding the earth is called:

    A)   **Atmosphere**
    B)   **Biosphere**
    C)   **Lithosphere**
    D)   **Hydrosphere**

19. Given below is the diagram of a common laboratory glass apparatus, name it:

    A)   **Retort**
    B)   **Crucible**
    C)   **Waterbath**
    D)   **Dessicator**
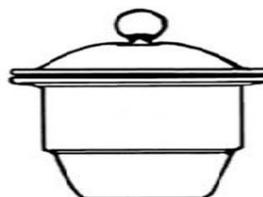
20. The biggest bone of our body is found in:

    A)   **thigh**
    B)   **hand**
    C)   **waist**
    D)   **leg**

21. The unit of viscosity is _____.

    A)   **Joule**
    B)   **N/m^2**
    C)   **dynes/cm**
    D)   **poises**
    E)   **ergs**

22. According to _____ "the properties of elements are the periodic function of their atomic number".

    A)   Newland's law of octaves
    B)   Doberenier's triads
    C)   Lothar Meyer's classification
    D)   Modern periodic law

23. The acidic nature of ethanol is shown when it reacts with Na forming:

    A)   Sodium hydroxide
    B)   Sodium oxide
    C)   Sodium ethoxide
    D)   Formic acid
    E)   Acetaldehyde

24. Absolute alcohol can be prepared by:

    A)   absorbing water of rectified spirit
    B)   direct fermentation of molasses
    C)   direct fermentation of starch
    D)   distillation of wood

ANSWER KEY

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