

VERBAL REASONING

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

1. She usually is a careful driver but yesterday she had a/an _____.

- A. accident
- B. event
- C. happening
- D. incident

2. She was fishing from the river _____.

- A. bank
- B. basin
- C. cliff
- D. valley

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. RAIN: DRIZZLE::

- A. hop: shuffle
- B. juggle: bounce
- C. run: jog
- D. walk: path

4. ANKLE: FOOT::

- A. eye: retina
- B. leg: calf
- C. tooth: tongue
- D. wrist: hand

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

5. If you are UNFAMILIAR to something it means you are not _____ it.

- A. angry about
- B. happy with
- C. sure about
- D. used to

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

6. Your **SUPERCILIOUS** ideals won't work. You must _____ your standards.

- A. change
- B. define
- C. give up
- D. lower

Questions 7-9 are based on the following paragraph.

Pakistan is the country blessed with all type of seasons. The people of the country enjoy all the seasons along with the different natural gifts, for example, snowfall, rain, leaf fall, vegetables, and fruits.

There are four seasons in our country. They are Spring, Summer, Autumn and Winter.

Spring is called the king of all seasons. It starts at the end of the February and lasts till May. In this season, trees give new leaves and flowers blossom. It is pleasant to walk in the gardens and parks. Everybody enjoys and feels fresh.

Generally, it is very hot in summer, in Pakistan. The duration of this season is very long, usually June, July and August are the hottest months. The plain areas are very hot but hilly areas are quite pleasant. In summer, the days are long, and nights are short. Season of Autumn starts in September and lasts till December.

This season is usually dry and windy. Leaves change their colour and fall in this season. This season is also known as "Fall."

Winter is the coldest season of the year. There is a lot of snowfall in some parts of Pakistan. People wear warm clothes to protect themselves from severe cold. In winter the nights are long, and days are short.

7. Which season comes between summer and winter?

- A. Autumn
- B. Monsoon
- C. Spring
- D. Winter

8. Which season is called the king of all seasons?

- A. Autumn
- B. Spring
- C. Summer
- D. Winter

9. In which season snowfall comes?

- A. Autumn**
- B. Spring**
- C. Summer**
- D. Winter**

SAMPLE PAPER-USAT-PRE-MEDICAL

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QUANTITATIVE REASONING

10. $38 - [36 - 2\{5 + 7 - 6\}] \div 3 = \underline{\hspace{2cm}}$.

- A. 8
- B. 30
- C. 46
- D. 80

11. Ahmed has $\frac{95}{3}$ liters of paint. After using $\frac{59}{12}$ liters in room and $\frac{37}{12}$ liters in kitchen, how much paint is left?

- A. $\frac{7}{12}$ liters
- B. $\frac{5}{3}$ liters
- C. $\frac{71}{6}$ liters
- D. $\frac{71}{3}$ liters

12. Sum of roots of $9x^2 + 21x - 8 = 0$ is $\underline{\hspace{2cm}}$.

- A. $-\frac{7}{3}$
- B. $-\frac{8}{9}$
- C. $\frac{8}{9}$
- D. $\frac{7}{3}$

13. What is the sum of exterior angles of a triangle?

- A. 180°
- B. 270°
- C. 360°
- D. 450°

14. The median in the data 2, 3, 4, 5, 6, 8, 5, 2, 3 is $\underline{\hspace{2cm}}$.

- A. 3
- B. 4
- C. 4.5
- D. 6

15. The cost of a book is Rs. 720 with a profit of 5%. What is the sale price of book?

- A. Rs. 700
- B. Rs. 756
- C. Rs. 766
- D. Rs. 775

16. What is the value of m in the ratio $14:m - 3 = 7:4$?

- A. -11
- B. 3
- C. 8
- D. 11

SAMPLE PAPER-USAT-PRE-MEDICAL

PHYSICS

17. Which of the following Law best describes “action and reaction are equal in magnitude but opposite in direction”?

- A. Newton's First Law
- B. Newton's Law of Interference
- C. Newton's Second Law
- D. Newton's Third Law

18. If NO external torque act on the system, the total angular momentum of the system remains constant. This statement is the base of _____.

- A. Law of conservation of angular momentum
- B. Law of conservation of energy
- C. Law of conservation of mass
- D. Law of conservation of momentum

SAMPLE PAPER-USAT-PRE-MEDICAL

CHEMISTRY

19. The conversion of a gas into a liquid requires high pressure and _____.

- A. high temperature
- B. high volume
- C. low temperature
- D. low volume

20. Which one of the followings is a metallic solid?

- A. Mg
- B. MgO
- C. SiC
- D. SiO₂

SAMPLE PAPER-USAT-PRE-MEDICAL

BIOLOGY

21. Photolysis of water during photosynthesis occurs at _____.

- A. cytochrome bf complex
- B. photosystem I
- C. photosystem II
- D. stroma

22. How many net ATP molecules are formed at the end of glycolysis from one glucose molecule?

- A. 1
- B. 2
- C. 3
- D. 4

23. Which one of the following plants has tiny leaves with tentacles having glands on their tips to trap the insect sitting on it?

- A. Cucuta
- B. Pitcher plant
- C. Sundew
- D. Venus fly trap

ANSWER KEY

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

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

نوت: نیچے دیئے گئے 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۔

I. کیا ٹیکنالو جی تخلیقی صلاحیتوں کو محدود کرتی ہے؟
II. کیا معیاری ٹیسٹ مولٹری 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 مضمون کے عنوانات میں سے ایک شروعات چُن کر مکمل مضمون تحریر کریں۔

- 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۔