

SAMPLE PAPER MBBS- BDS ENTRANCE TEST 2026

ENGLISH

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

1. Despite the _____ of the materials with which Tahira had worked, many of her glass masterpieces have survived for more than seventy years.
- A. beauty
 - B. translucence
 - C. abundance
 - D. fragility

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

2. POISON: TOXIC::
- A. mixture: soluble
 - B. sugar: sweet
 - C. medicine: prescribed
 - D. solid: liquid

LOGICAL REASONING

3. Choose a missing term from the following relationship: Z, X, V, ?

- A. T
- B. S
- C. U
- D. R

4. If $4=0$, $5=5$, $6=12$, $7=21$, $8=32$, then $9=?$

- A. 27
- B. 36
- C. 45
- D. 54

GENERAL KNOWLEDGE

5. Which disease was declared a Public Health Emergency of International Concern (PHEIC) by WHO in 2020?
- A. Ebola
 - B. COVID-19
 - C. Cholera
 - D. Dengue
6. The ECG primarily records:
- A. Muscle strength
 - B. Electrical activity of the brain
 - C. Electrical activity of the lung
 - D. Electrical activity of the heart

BIOLOGY

7. Fragment A (3000 nucleotides) is transcribed and translated into a 333-amino-acid protein. Fragment B (300 nucleotides) produces no protein at all. What best explains this difference?
- A. Fragment A is a chromosome; Fragment B is a gene
 - B. Fragment A is an intron; Fragment B is an exon
 - C. Fragment A is a mutation; Fragment B is normal DNA
 - D. Fragment A contains a gene; Fragment B is non-coding DNA
8. A patient has normal heart rate and breathing but cannot regulate his body temperature and experiences constant thirst and hunger. Which brain structure is MOST likely malfunctioning?
- A. Hypothalamus
 - B. Medulla oblongata
 - C. Cerebral cortex
 - D. Pineal gland
9. An enzyme speeds up a biochemical reaction by a factor of 10^6 . Which thermodynamic change directly accounts for this dramatic increase in the rate of reaction?
- A. Increasing the overall standard free energy change (ΔG) of reaction
 - B. Lowering the activation energy required to reach the transition state
 - C. Raising the total thermal energy and temperature of the solution
 - D. Converting an endergonic reaction into an exergonic reaction pathway
10. A large lake takes far longer to heat up or cool down than the land around it during seasonal change. Which property of water is responsible?
- A. Strong cohesion between water molecules
 - B. High polarity that dissolves many substances
 - C. Low density of ice compared to liquid water
 - D. High specific heat, absorbing heat with little temperature rise

CHEMISTRY

11. An industrial process has a theoretical yield of 120 kg and a reported percentage yield of 75%. What is the actual yield produced?
- A. 100 kg
 - B. 95 kg
 - C. 90 kg
 - D. 85 kg
12. A student proposes that two electrons occupy the same orbital with identical spin directions. This is INVALID because it violates:
- A. Hund's Rule
 - B. The Aufbau Principle
 - C. The Law of Conservation of Mass
 - D. The Pauli Exclusion Principle
13. A metal reacts with an acid, hydrogen gas is released, and the metal forms a positive ion. This is characteristic of a redox reaction because:
- A. The metal loses electrons and is oxidized, while hydrogen ions gain electrons and are reduced
 - B. The metal gains electrons and is reduced, while hydrogen ions are oxidized
 - C. The metal and hydrogen exchange protons, not electrons
 - D. The metal and acid form a stable complex with no electron transfer

PHYSICS

14. A displacement-time graph shows a curve that becomes steeper as time passes. What does this indicate about the object's motion?

- A. The object is decelerating toward rest**
- B. The object is moving at constant velocity**
- C. The object is stationary**
- D. The object is accelerating**

15. In a sound wave traveling through air, a student identifies a region where air particles are spread further apart than normal. Which term describes this region?

- A. Compression**
- B. Rarefaction**
- C. Trough**
- D. Crest**

ANSWER KEY

Q #.	Right Choice
1	D
2	B
3	A
4	C
5	B
6	D
7	D
8	A
9	B
10	D
11	C
12	D
13	A
14	D
15	B