

MHT CET 2026 April 21 Shift 2

Question Paper (Memory Based)

Conducted by CET Cell, Maharashtra



General Instructions

- (i) **Duration:** The total duration of the examination is 3 hours (180 minutes).
- (ii) **Total Marks:** The complete paper carries a maximum of 200 marks.
- (iii) **Structure:** The paper has 3 Sections:
 - **Section A:** 50 Multiple Choice Questions (Physics)
 - **Section B:** 50 Multiple Choice Questions (Chemistry)
 - **Section C:** 100 Multiple Choice Questions (Biology)
- (iv) **Compulsory Questions:** All 200 questions are compulsory.
- (v) Each question has four options. Only **one** option is correct.
- (vi) **Right Answer:** Physics (+1 marks), Chemistry (+1 marks) and Biology(+1 marks).
- (vii) **Incorrect Answer:** (No Negative marking).
- (viii) **Unanswered/Marked for Review:** 0 marks.

1. Which animal possesses the most primitive nervous system?

- (A) Earthworm
- (B) Hydra
- (C) Frog
- (D) Human

2. What is the oxidation state of Chlorine in Cl_2O_7 ?

- (A) +1
- (B) +3

(C) +5

(D) +7

3. Which plant hormone is primarily responsible for apical dominance?

(A) Cytokinin

(B) Auxin

(C) Gibberellin

(D) Ethylene

4. What is the hybridization of the carbon atom in CO_2 ?

(A) sp^3

(B) sp^2

(C) sp

(D) sp^3d

5. If the distance between two charges is doubled, what happens to the Coulomb force?

(A) It becomes double

(B) It becomes four times

(C) It becomes half

(D) It becomes one-fourth

6. Which antibody is most abundant in human colostrum?

(A) IgG

(B) IgA

(C) IgM

(D) IgE

7. What is the interaction where one species is harmed and the other is unaffected?

(A) Mutualism

(B) Commensalism

(C) Amensalism

(D) Parasitism

8. What is the volume of air remaining in the lungs after forceful expiration called?

- (A) Tidal Volume
 - (B) Vital Capacity
 - (C) Residual Volume (RV)
 - (D) Inspiratory Capacity
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9. What is the stability order of carbocations?

- (A) Primary > Secondary > Tertiary
 - (B) Secondary > Primary > Tertiary
 - (C) Tertiary > Secondary > Primary
 - (D) Primary > Tertiary > Secondary
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10. What is the formula for centripetal acceleration?

- (A) $a = \frac{v}{r}$
 - (B) $a = \frac{v^2}{r}$
 - (C) $a = vr$
 - (D) $a = \frac{r}{v^2}$
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11. Which law states that magnetic susceptibility is inversely proportional to absolute temperature?

- (A) Ohm's Law
 - (B) Curie's Law
 - (C) Faraday's Law
 - (D) Gauss's Law
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12. What is the product of the reaction between Phenol and concentrated HNO_3 ?

- (A) Nitrobenzene
 - (B) Picric Acid (2,4,6-trinitrophenol)
 - (C) Aniline
 - (D) Benzaldehyde
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13. What is the Van't Hoff factor (i) for a non-electrolyte?

- (A) 0
 - (B) 1
 - (C) 2
 - (D) 3
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14. What is the SI unit of Magnetic Induction?

- (A) Weber
 - (B) Tesla (T)
 - (C) Henry
 - (D) Ampere
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15. Which part of the brain is responsible for maintaining posture and equilibrium?

- (A) Cerebrum
 - (B) Cerebellum
 - (C) Medulla Oblongata
 - (D) Hypothalamus
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