MHT CET 2026 April 26 (Shift-2)

Question Paper (Memory-Based) PDF

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 B:** 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) **Correct Answer:** +1 marks.

(vii) **Incorrect Answer:** (No Negative marking).

(viii) **Unanswered/Marked for Review:** 0 marks.

1. Which animal shows the most primitive nervous system?

(A) Earthworm

(B) Hydra

(C) Cockroach

(D) Planaria

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2. The specific site of sperm production within the human male reproductive system is:

(A) Vas deferens

(B) Epididymis

(C) Seminiferous Tubules

(D) Prostate gland

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3. An interaction where one species is harmed while the other remains unaffected (0,) is:

(A) Commensalism

(B) Parasitism

(C) Amensalism

(D) Mutualism

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4. Which of the following serves as the monomer for the synthetic polymer Nylon 6?

(A) Adipic acid

(B) Caprolactam

(C) Hexamethylenediamine

(D) Ethylene glycol

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5. A carrier daughter (X^NX^C) of a colour blind father marries a normal male (X^NY). What is the probability of a colour blind son?

(A) 0%

(B) 25%

(C) 50%

(D) 75%

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6. The moment of inertia of a uniform thin rod of mass M and length L about an axis passing through its center and perpendicular to its length is:

(a) $ML^2/3$

(b) $ML^2/12$

(c) $ML^2/2$

(d) $ML^2/6$

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7. In a stationary wave, the distance between a node and the adjacent antinode is:

(A) λ

(B) $\lambda/2$

(C) $\lambda/4$

(D) 2λ

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8. To convert a galvanometer into a voltmeter, one must connect a:

(A) Low resistance in series

(B) High resistance in series

(C) Low resistance in parallel

(D) High resistance in parallel

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9. If the temperature of the source in a Carnot engine is increased while the sink temperature remains constant, the efficiency will:

(A) Increase

(B) Decrease

(C) Remain the same

(D) Become zero

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10. The work done in rotating an electric dipole of dipole moment p in a uniform electric field E from $\theta = 0^\circ$ to $\theta = 180^\circ$ is:

(A) pE

(B) $2pE$

(C) Zero

(D) $-2pE$

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11. Which of the following is the monomer of the polymer Nylon 6?

(A) Adipic acid

(B) Caprolactam

(C) Ethylene glycol

(D) Vinyl chloride

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12. The number of atoms per unit cell in a Body-Centered Cubic (BCC) structure is:

(A) 1

(B) 2

(C) 4

(D) 6

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13. Lucas reagent, used to distinguish between primary, secondary, and tertiary alcohols, is a mixture of:

(A) Conc. HCl + anhydrous ZnCl

(B) Conc. HNO + AgNO

(C) Pd + BaSO

(D) NHOH + AgNO

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14. What is the product formed when chlorobenzene undergoes nitration with concentrated HNO and HSO?

(A) Nitrobenzene

(B) 1,3-Dinitrobenzene

(C) o- and p-Nitrochlorobenzene

(D) Chlorobenzene sulfonic acid

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15. Which transition element among the following shows the highest number of oxidation states?

(A) Scandium (Sc)

(B) Iron (Fe)

(C) Manganese (Mn)

(D) Zinc (Zn)
