

MHT CET 2026 April 25 Shift 1

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 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. The process during double fertilization in which non motile male gametes are carried through hollow pollen tube is called

- (A) chalazogamy
 - (B) porogamy
 - (C) mesogamy
 - (D) siphonogamy
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2. Given below are the two statements

Statement I Only one strand in the transcription unit functions as template and is called antisense strand.

Statement II The coding strand of transcription unit is called sense strand.

In light of the above statements, choose the correct answer from the options given below.

- (A) Both statement I and statement II are correct.
 - (B) Both statement I and statement II are incorrect.
 - (C) Statement I is correct and statement II is incorrect.
 - (D) Statement I is incorrect and statement II is correct.
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3. First evidence for triplet genetic code was given by

- (A) Crick
 - (B) Nirenberg and Matthaei
 - (C) Dr. H. G. Khorana
 - (D) Severo Ochoa
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4. Chromosomal aberration in which there is no loss or gain of gene complement is

- (A) deletion
 - (B) duplication
 - (C) inversion
 - (D) translocation
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5. In plants, active absorption usually does NOT occur when ____.

- (A) stomata are open
 - (B) stomata are closed
 - (C) transpiration stops
 - (D) it is night time
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6. Which one of the following belongs to New World monkey?

- (A) Baboons
 - (B) Macaques
 - (C) Spider monkeys
 - (D) Langurs
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7. The length of root hair is

- (A) 1-10 mm
 - (B) 11-20 mm
 - (C) 21-30 mm
 - (D) 31-40 mm
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8. Which among the following represents the process of reductive deamination?

- (A) $\text{ketoglutaric acid} + \text{NH}_4 + \text{NADPH}_2 \rightarrow \text{Glutamic acid} + \text{H}_2\text{O} + \text{ADP}$
 - (B) $\text{Glutamic acid} + \text{Oxaloacetic acid} \rightarrow \alpha\text{-ketoglutaric acid} + \text{Aspartic acid}$
 - (C) $\text{Glutamic acid} + \text{NH}_4 + \text{ATP} \rightarrow \alpha\text{-Glutamine} + \text{ADP}$
 - (D) $\text{Aspartic acid} + \text{NH}_4 \rightarrow \alpha\text{-Asparagine} + \text{ADP}$
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9. Which of the following microbial sources is used for the production of antibiotic terramycin?

- (A) *Streptomyces erythreus*
 - (B) *Streptomyces venezuelae*
 - (C) *Streptomyces griseus*
 - (D) *Streptomyces aurifaciens*
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10. The term used for species in which the last individual has died or is not recorded is

- (A) Extinct
- (B) Near threatened

- (C) Endangered
 - (D) Vulnerable
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