

MHT CET 2026 April 26 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 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. The process during double fertilization in which non-motile male gametes are carried through a hollow pollen tube is called:

- (A) chalazogamy
- (B) porogamy
- (C) mesogamy
- (D) siphonogamy

2. In Citrus, embryos develop from diploid cells of nucellus along with the zygotic embryo,

resulting in polyembryony. This type of polyembryony is called:

- (A) adventive
 - (B) cleavage
 - (C) true
 - (D) defective
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3. During asexual reproduction, gemmule formation occurs in:

- (A) Yeast
 - (B) Spirogyra
 - (C) Sponges
 - (D) Amoeba
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4. Median vertical depression of external genitalia in females, enclosing the urethral and vaginal opening is called:

- (A) Mons pubis
 - (B) Vestibule
 - (C) Clitoris
 - (D) Hymen
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5. Failure of testis to descend into the scrotum is called:

- (A) Atresia
 - (B) Cretinism
 - (C) Amenorrhea
 - (D) Cryptorchidism
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6. During menstrual phase, the blood released from uterus does not clot due to the presence of:

- (A) Fibrinogen

- (B) Fibrinolysin
 - (C) Prostaglandin
 - (D) Inhibin
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7. 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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8. 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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9. 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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10. 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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11. Which one of the following belongs to New World monkey?

- (A) Baboons
 - (B) Macaques
 - (C) Spider monkeys
 - (D) Langurs
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12. 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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13. Which among the following represents the process of reductive deamination?

- (A) $\text{ketoglutaric acid} + \text{NH}_4^+ + \text{NADPH} \rightarrow \text{Glutamic acid} + \text{H}_2\text{O} + \text{NADP}^+$
 - (B) $\text{Glutamic acid} + \text{Oxaloacetic acid} \rightarrow \alpha\text{-ketoglutaric acid} + \text{Aspartic acid}$
 - (C) $\text{Glutamic acid} + \text{NH}_4^+ + \text{ATP} \rightarrow \text{Glutamine} + \text{ADP} + \text{Pi}$
 - (D) $\text{Aspartic acid} + \text{NH}_4^+ \rightarrow \text{Asparagine} + \text{ADP}$
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14. 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*

15. 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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