

CUET 2026 May 14 Shift 2 Biology

Question Paper (Memory-Based)

Conducted by National Testing Agency (NTA)



General Instructions

- (i) The examination will be conducted in Computer-Based Test (CBT) mode.
- (ii) Each question carries +5 marks for correct answer and -1 mark for wrong answer.
- (iii) The total number of questions are 50.
- (iv) Duration of the exam is 1 hour (60 minutes).

1. Double fertilisation in angiosperms involves:

- (A) One male gamete fusing with egg and another with synergid
- (B) Two male gametes fusing with two eggs
- (C) One male gamete fusing with egg and another with polar nuclei
- (D) Fusion of antipodals with synergids

2. RNA interference (RNAi) is a method used to:

- (A) Increase protein synthesis
- (B) Silence the expression of specific genes
- (C) Stimulate DNA replication
- (D) Enhance mutation rate

3. Which of the following statements correctly explains Mendel's law of dominance?

- (A) Both alleles express equally in F_1 generation
- (B) Dominant allele suppresses the expression of recessive allele in heterozygous condition
- (C) Recessive allele always disappears permanently
- (D) Traits blend together in offspring

4. Ribozymes are:

- (A) DNA molecules with catalytic activity
 - (B) Protein enzymes involved in transcription
 - (C) RNA molecules having catalytic activity
 - (D) Lipids involved in protein synthesis
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5. In the Hershey and Chase experiment, radioactive phosphorus (^{32}P) was used to label:

- (A) Protein coat of bacteriophage
 - (B) RNA of bacteriophage
 - (C) DNA of bacteriophage
 - (D) Bacterial cell wall
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6. India possesses nearly what percentage of the world's biodiversity?

- (A) 8%
 - (B) 2.4%
 - (C) 10.2%
 - (D) 15.5%
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7. Which organic molecules were formed in the Miller-Urey experiment?

- (A) Nucleotides
 - (B) Amino acids
 - (C) Polysaccharides
 - (D) Vitamins
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8. Klinefelter's syndrome is generally characterised by:

- (A) XO chromosomes in females
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- (B) XXY chromosomes in males
 - (C) Trisomy of chromosome 21
 - (D) Absence of one autosome
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9. Match the following microorganism with the product formed:

Microorganism	Product
A. <i>Monascus purpureus</i>	1. Cyclosporin A
B. <i>Trichoderma polysporum</i>	2. Statins

Choose the correct option:

- (A) A1, B-2
 - (B) A-2, B-1
 - (C) A-1, B-1
 - (D) A-2, B-2
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10. Which phase of the menstrual cycle is also known as the proliferative phase?

- (A) Menstrual phase
 - (B) Secretory phase
 - (C) Follicular phase
 - (D) Ovulatory phase
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