

CUET 2026 May 30 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. RNA interference (RNAi) is a process that results in

- (A) Replication of mRNA
- (B) Inhibition of translation of mRNA
- (C) Synthesis of proteins at a faster rate
- (D) Duplication of DNA

2. Match the structural genes of the Lac Operon in Column I with their functions in Column II.

Column I		Column II	
(A)	<i>lacZ</i>	(I)	<i>Permease</i>
(B)	<i>lacY</i>	(II)	<i>Transacetylase</i>
(C)	<i>lacA</i>	(III)	β -galactosidase

Choose the correct answer from the options given below:

- (A) A-I, B-II, C-III
- (B) A-III, B-I, C-II
- (C) A-II, B-III, C-I
- (D) A-III, B-II, C-I

3. Androgens are primarily secreted by which of the following cells?

- (A) Sertoli cells
 - (B) Leydig cells (Interstitial cells)
 - (C) Spermatogonia
 - (D) Follicular cells
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4. A test cross is performed by crossing an F_1 individual with

- (A) Homozygous dominant parent
 - (B) Heterozygous parent
 - (C) Recessive parent
 - (D) Any parent
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5. Arrange the following steps of the Polymerase Chain Reaction (PCR) in the correct sequence.

1. Primer Annealing
2. Denaturation
3. Extension by DNA Polymerase

Choose the correct answer from the options given below:

- (A) $1 \rightarrow 2 \rightarrow 3$
 - (B) $2 \rightarrow 1 \rightarrow 3$
 - (C) $3 \rightarrow 2 \rightarrow 1$
 - (D) $2 \rightarrow 3 \rightarrow 1$
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6. Copper-T prevents pregnancy mainly by

- (A) Inhibiting ovulation
 - (B) Killing spermatozoa and reducing sperm motility
 - (C) Blocking implantation by destroying the zygote
 - (D) Preventing fertilization by hormone secretion
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7. Orchid growing on a mango tree is an example of

- (A) Parasitism
 - (B) Mutualism
 - (C) Commensalism
 - (D) Predation
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8. The symbol r in population ecology represents

- (A) Carrying capacity
 - (B) Natality rate
 - (C) Intrinsic rate of natural increase
 - (D) Mortality rate
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9. Arrange the following trophic levels in the correct sequence of a food chain starting from producers.

1. Secondary Consumer
2. Producer
3. Primary Consumer
4. Tertiary Consumer

Choose the correct answer from the options given below:

- (A) $2 \rightarrow 3 \rightarrow 1 \rightarrow 4$
 - (B) $1 \rightarrow 2 \rightarrow 3 \rightarrow 4$
 - (C) $2 \rightarrow 1 \rightarrow 3 \rightarrow 4$
 - (D) $3 \rightarrow 2 \rightarrow 1 \rightarrow 4$
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10. Match the following conservation strategies with their corresponding examples.

Column I		Column II	
(A)	<i>Ex – situ Conservation</i>	(I)	<i>Biosphere Reserve</i>
(B)	<i>In – situ Conservation</i>	(II)	<i>Wildlife Sanctuary</i>
(C)	<i>Gene Bank</i>	(III)	<i>Cryopreservation</i>
(D)	<i>Botanical Garden</i>	(IV)	<i>Conservation outside natural habitat</i>

Choose the correct answer from the options given below:

- (A) A-IV, B-I, C-III, D-IV
 (B) A-II, B-I, C-IV, D-III
 (C) A-IV, B-II, C-III, D-IV
 (D) A-I, B-II, C-IV, D-III