

CUET 2026 May 25 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. The growth curve observed in a population growing under limited resources is:

- (A) J-shaped curve
 - (B) S-shaped curve
 - (C) Zig-zag curve
 - (D) Bell-shaped curve
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2. **Assertion (A):** Viroids are infectious RNA particles without a protein coat.

Reason (R): Viroids mainly infect plants and cause diseases like potato spindle tuber disease.

- (A) Both A and R are true and R is the correct explanation of A
 - (B) Both A and R are true but R is not the correct explanation of A
 - (C) A is true but R is false
 - (D) A is false but R is true
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3. Match the following:

List-I		List-II	
(A)	Darwin	(I)	Theory of Natural Selection
(B)	H.M.S. Beagle	(II)	Voyage related to evolution studies
(C)	Mimicry	(III)	Protective resemblance
(D)	Pathogen	(IV)	Disease causing organism

Choose the correct answer from the options given below:

- (A) A-I, B-II, C-III, D-IV
 - (B) A-II, B-I, C-IV, D-III
 - (C) A-III, B-II, C-I, D-IV
 - (D) A-I, B-IV, C-II, D-III
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4. DNA ligase is mainly used in biotechnology because it:

- (A) Cuts DNA at specific sites
 - (B) Joins DNA fragments together
 - (C) Synthesizes RNA molecules
 - (D) Breaks hydrogen bonds
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5. In gel electrophoresis, DNA fragments are separated mainly on the basis of:

- (A) Shape
 - (B) Density
 - (C) Charge only
 - (D) Size
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6. During oogenesis, the primary oocyte remains arrested in:

- (A) Metaphase-II
 - (B) Prophase-I
 - (C) Anaphase-I
 - (D) Telophase-II
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7. Match the following phases of menstrual cycle with their characteristic events:

List-I		List-II	
(A)	Menstrual phase	(I)	Ovulation occurs
(B)	Follicular phase	(II)	Breakdown of endometrium
(C)	Ovulatory phase	(III)	Corpus luteum formation
(D)	Luteal phase	(IV)	Follicular growth

Choose the correct answer from the options given below:

- (A) A-II, B-IV, C-I, D-III
 - (B) A-I, B-II, C-IV, D-III
 - (C) A-II, B-I, C-IV, D-III
 - (D) A-III, B-IV, C-I, D-II
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8. The female reproductive part of a flower is:

- (A) Stamen
 - (B) Anther
 - (C) Pistil
 - (D) Filament
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9. **Assertion (A):** In RNA, thymine is replaced by uracil.

Reason (R): Uracil pairs with adenine during base pairing.

- (A) Both A and R are true and R is the correct explanation of A
 - (B) Both A and R are true but R is not the correct explanation of A
 - (C) A is true but R is false
 - (D) A is false but R is true
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10. Which of the following statements regarding gene therapy is correct?

- (A) It is used only in plants
- (B) It involves replacement or correction of defective genes
- (C) It destroys all genes inside the body

(D) It is a method of protein digestion
