

CUET 2026 May 14 Shift 1 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. From the statements given below, choose the options that are true for a typical female gametophyte of a flowering plant.

- (i) It is 8-nucleate and 7-celled at maturity.
- (ii) It is free-nuclear during the development.
- (iii) It is situated inside the integument but outside the nucellus.
- (iv) It has an egg apparatus situated at the chalazal end.

- (A) (i) and (iv)
- (B) (ii) and (iii)
- (C) (i) and (ii)
- (D) (ii) and (iv)

2. A particular species of plant produces light, nonsticky pollen in large numbers and its stigmas are long and feathery. These modifications facilitate pollination by

- (A) insects
- (B) water
- (C) wind
- (D) animals

3. Which of the following statement(s) is/are correct about *Parthenium* (carrot grass)?

- (A) *Parthenium* came into India as a contaminant with imported wheat
 - (B) It has become ubiquitous in occurrence
 - (C) It causes pollen allergy
 - (D) All of the above
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4. Choose the incorrect statement from the following.

- (A) Long ribbon-like pollen grains are seen in some aquatic plants
 - (B) In some insect species, the floral reward for pollination is the safe place to lay eggs in the flower
 - (C) Insect robbers consume pollens or nectar without bringing about pollination
 - (D) Majority of the flowering plants produce homosexual flowers
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5. Refer to the given characteristics of some flowers:

- I. Flowers are small. They are often packed in inflorescence.
- II. Flowers are colourless, nectarless and odourless.
- III. Well exposed stamens.
- IV. Pollen grains produced in large number, light and non-sticky.
- V. Flowers often have a single ovule in each ovary.
- VI. Stigma large, often feathery.

The above features are the characteristics of

- (A) Self-pollination
 - (B) Anemophily (pollination by wind)
 - (C) Ornithophily (pollination by birds)
 - (D) Entomophily (pollination by insects)
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6. Read the following statements and choose the correct ones.

- I. Non-essential floral organs in a flower are sepals and petals.
- II. Stamens represent male gametophyte.

III. A dithecious anther consists of four microsporangia, two in each lobe.

IV. The anther wall has middle layer lying between endothecium and tapetum.

- (A) I and II
 - (B) II and III
 - (C) III and IV
 - (D) I, II, III and IV
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7. Which one of the following statement is correct?

- (A) Hard outer layer of pollen is called intine
 - (B) Sporogenous tissue is haploid
 - (C) Endothecium produces the microspores
 - (D) Tapetum nourishes the developing pollen
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8. Self-incompatibility is a device for

- I. ensuring cross-pollination.
- II. preventing self-fertilisation.
- III. ensuring self-fertilisation.
- IV. genetic control for self-fertilisation.

Choose the correct statements from those given above.

- (A) I, II and III
 - (B) I, II, III and IV
 - (C) I, III and IV
 - (D) I, II and IV
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9. Where was the World Summit on Sustainable Development held?

- (A) South Africa
 - (B) USA
 - (C) South Korea
 - (D) UK
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10. Choose the incorrect statement from the following.

- (A) In birds and mammals, internal fertilisation takes place
 - (B) Colostrum contains antibodies
 - (C) Polyspermy in mammals is prevented by the chemical changes on the egg surface
 - (D) In the human female, implantation occurs almost seven days after fertilisation
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