

CUET PG Botany 2026 Question Paper

Time Allowed :90 Minutes	Maximum Marks :300	Total Questions :75
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. Mode of Exam: Computer-Based Test (CBT)
2. Type of Questions: Multiple Choice Questions (MCQs)
3. Total Questions: 75 : Total Marks: 300 : Duration: 90 minutes
4. Marking Scheme: Correct Answer: +4 marks; Incorrect Answer: -1 mark

1. Which of the following is a primary, sugar source in translocation of phloem sap.

- (A) Young leaf
- (B) Mature leaf
- (C) Young fruit
- (D) Shoot tips

2. Given below are two statements: one is labelled as Assertion-A and the other is labelled as Reason-R

Assertion-A: Removal of apical bud (decapitation) causes loss of apical dominance.

Reason-R: Apical dominance is due to auxins and apical buds are site of auxin synthesis. Decapitation causes loss of auxin required for apical dominance.

In the light of the above statements, choose the correct answer from the option below:

- (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

3. The water splitting in photo system-II (PS-II) is mediated by metal

- (A) Mn
- (B) Mg
- (C) Fe
- (D) Ni

4. Stomatal opening is stimulated by

- (A) Red-light
- (B) Yellow light
- (C) Blue light
- (D) Green light

5. The site of sucrose synthesis in plants during the process of photosynthesis

- (A) Chloroplast
- (B) Cytosol
- (C) Mitochondria
- (D) Golgi apparatus

6. The water splitting in photo system-II (PS-II) is mediated by metal

- (A) Mn
- (B) Mg
- (C) Fe
- (D) Ni

7. Among those given below which plant families have CAM species?

- (A) Poaceae
- (B) Zygophyllaceae
- (C) Cucurbitaceae
- (D) Asteraceae

8. Entry of pollen tube into the ovule through funiculus or integuments is referred as

- (A) Mesogamy
- (B) Porogamy
- (C) Xenogamy
- (D) Chalazogamy

9. What will be the order in which the following steps would be performed in the technique of herbarium making

- A. Mounting**
- B. Filing**
- C. Pressing**
- D. Collection**
- E. Labeling**

Choose the correct answer from the options given below:

- (A) D, B, C, A, E
- (B) B, D, A, C, E
- (C) C, A, D, E, B
- (D) D, C, A, E, B

10. The conventional ovule is lacking in the members of family

- (A) Cucurbitaceae
- (B) Loranthaceae
- (C) Rutaceae
- (D) Apiaceae

11. Age pyramid having a bell-shaped polygon denotes:

- (A) Increasing population
- (B) Decreasing population
- (C) Stable population
- (D) Fluctuating population

12. Given below are two statements:

Statement-I: Allopatric speciation requires thousands to millions of years and thousands of generations.

Statement-II: Allopatric speciation occurs commonly in plants through polyploidy. In the light of the above statements, choose the correct answer from the options given below:

- (A) Both Statement-I and Statement-II are true
- (B) Both Statement-I and Statement-II are false
- (C) Statement-I is true but Statement-II is false

(D) Statement-I is false but Statement-II is true

13. Given below are two statements:

Statement-I: Hot spots of biodiversity must contain at least 0.5% or 1500 of world's 3,00,000 plant species as endemic.

Statement-II: Hot spots of biodiversity must have at least 70% or more of its primary vegetation.

In the light of the above statements, choose the correct answer from the options given below:

- (A) Both Statement-I and Statement-II are true
 - (B) Both Statement-I and Statement-II are false
 - (C) Statement-I is true but Statement-II is false
 - (D) Statement-I is false but Statement-II is true
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14. The greenhouse gas which contributes maximum to global warming is

- (A) CH₄
 - (B) CFCs
 - (C) CO₂
 - (D) N₂O
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15. Maximum biodiversity is present in

- (A) Polar region
 - (B) Temperate region
 - (C) Tropical region
 - (D) Sub-tropical region
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