

Competitive Exams: Botany MCQs (Practice-Test 42 of 104)

1. Which one of the following types of vegetations allows quick absorption of maximum rain water?
 - a. Wet evergreen forests
 - b. Grasslands
 - c. Scrub forests
 - d. Deciduous forests

2. Consider the following statements regarding allelopathy:
 - a. It is the phenomenon of seed dormancy due to the presence germination inhibitors on the surface of seed coat.
 - b. It is the phenomenon of the production of organic substances by one plant having harmful effect on the other.
 - c. It helps proper spacing of the plants to reduce competition.
 - d. It helps the xerophytes to grow in small groups to reduce the transpiration.

Of these statements:

- a. 1, 2 and 3 are correct
 - b. 1 and 3 are correct
 - c. 2 and 3 are correct
 - d. 1 and 4 are correct
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3. Nepenthes Khasiana, a rare and endangered pitcher plant, occurs in India in
 - a. Meghalaya
 - b. Madhya Pradesh
 - c. Kerala
 - d. Himachal Pradesh

 4. Which of the following statements are correct?

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- a. callus is the disorganized mass of cells formed under in vitro condition.
- b. totipotency is the ability of a plant organ to regenerate an entire organism when cultured in a suitable medium.
- c. embryoid is the embryo-like structure formed under in vitro condition which has the potentiality to develop into a plantlet.
- d. explant is the excised portion of plant tissue or organ which is used in tissue culture study.

Select the correct answer using the codes given below:

Codes:

- a. 1, 2 and 4
 - b. 1, 3 and 4
 - c. 1, 2 and 3
 - d. 2, 3 and 4
5. Which of the following pairs are correctly matched?
- a. Somatic hybridization—Protoplast fusion
 - b. Industry—Bioreactors
 - c. Test-tube baby—Artificial fertilization
 - d. Monoclonal—Gene therapy

Select the correct answer using the codes given below:

Codes:

- a. 2, 3 and 4
 - b. 1, 3 and 4
 - c. 1, 2 and 4
 - d. 1, 2 and 3
6. 'Superbug' a biotechnological feat is useful in the
- a. Treatment of Cancer
 - b. Cleaning oil Spillage
 - c. Espionage

d. Biodegradation of plastics

7. Which one of the following statements regarding Pomato is correct?
- It is a product of somatic hybridization
 - It is obtained by gene manipulation
 - It is a natural hybrid product of sexual reproduction
 - It is the fusion product of archegonia and antheridia
8. Which one of the following gases was primarily responsible for the 1984 Bhopal gas tragedy?
- Methane
 - Methyl cyanide
 - Methyl isocyanine
 - Hydrogen cyanide
9. Depletion of the Ozone layer in the stratosphere is caused by
- Carbon monoxide
 - Hydrocarbons
 - Nitrogen dioxide
 - Polychloro-biphenyls
10. A forestation with the pin pose of environmental, aesthetic and economic development is known as
- Integrated afforestation
 - Scientific forest conservation
 - Social forestry
 - Integrated forest management
11. A forestation programmes call for the introduction of plants form
- Desert regions as these can withstand adverse conditions
 - Arctic environment because of their short stature and sturdiness
 - Iso-climatic regions

d. And environment of maximum heterogeneity

12. The uniform peeling away of the soil surface by the action of flowing water is called

- a. Slip erosion
- b. Till erosion
- c. Accelerated erosion
- d. Sheet erosion

13. Consider the following steps in plant introduction:

- a. Site selection and study.
- b. Quarantine/plant protection inspection.
- c. Species selection and import of seeds.
- d. Seed treatment, nursery development and planting.

The correct sequence of these steps is

- a. 4, 2, 1, 3
- b. 3, 4, 2, 1
- c. 1, 3, 2, 4
- d. 2, 1, 4, 3

14. When exposed to sulphur dioxide gas, the green color of the plant leaves will be changed into

- a. Violet
- b. Indigo
- c. Red
- d. yellow

15. Which one of the following aspects will not alter the gene frequency in a population?

- a. Selection
- b. Mutation
- c. Random mating
- d. Random genetic drift

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