

Competitive Exams: Botany MCQs (Practice-Test 92 of 104)

1. Which one of the following statements correctly defines the term hydroponics?
 - a. Growing plants in soil less culture
 - b. Culture of fishes by varying the water supply
 - c. Growing planktons on the surface of water
 - d. Growing plants in sterilized soil
2. Match List I with List II and select the correct answer using the codes given below the lists:

List-I

- a. Antigonin
- b. Growth inhibitor
- c. Germination inhibitor
- d. IAA-oxidase inhibitor

List-II

- a. Scopolin
- b. Caffeic acid
- c. Abscisic acid
- d. Cycocel

A B C D

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

3. Which one of the following classes of plant hormones is the substitute for low temperature treatment?

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- a. Auxins
- b. Gibberellins
- c. Cytokine
- d. Ethylene

4. Match List I (Type/condition of germination) with List II (Seeds of) and select the correct answer using the codes given below the lists

List-I

- a. Positively photoelectric
- b. Non-photoelectric
- c. Possible under anaerobic conditions
- d. Requires acid scarification

List-II

- a. Rice
- b. Lettuce
- c. Cucumber
- d. Leucaena

A B C D

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

5. Which one of the following methods requires two genetically variable individuals to produce the progeny?

- a. Cutting
- b. Layering
- c. Budding
- d. Goatee

6. Besides lipid, pollenkitt consists mainly of

- a. Anthocyanins
- b. Carotenoids
- c. Xanthophylls
- d. Carotenoids and xanthophylls

7. Pseudo-embryo sacs present in

- a. Cyperaceae
- b. Poaceae
- c. Podostemonaceae
- d. Solanaceae

8. In the mature seed the persistent outer layer of nucleolus is called

- a. Perisperm
- b. Caruncle
- c. Endostome
- d. Endothelium

9. Which of the following pairs of lectin source and the name of the lectin are correctly matched?

- a. *Canavalia ensiformis*—Con A
- b. *Abrus precatorius*—Abrin
- c. *Dolichos biflorus*—Dolin
- d. *Ricinus communis*—Ricin

Select the correct answer using the codes given below:

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

10. Ruminant endosperm occurs in the seeds of

- a. *Arecaceae*

- b. Poaceae
- c. Myrtaceae
- d. Euphorbiaceous

11. The lens or strophiole is usually present in the seed (coats) of members of

- a. Fabaceae
- b. Asteraceae
- c. Malvaceae
- d. Solanaeae

12. Which one of the following is the best method overcoming self-incompatibility?

- a. Surgical treatment of stigma
- b. Application of growth substances and other chemicals
- c. Hot water and high temperature treatment
- d. In vitro pollination and in vitro fertilization

13. Saprophytic incompatibility is due to chemical substances which are pertinacious in nature and are formed in the

- a. Pollen grain
- b. Exine
- c. Tapetum
- d. Stigma

14. The movement of antherozoids towards the archegonium (egg) due to the secretion of some chemical substance is known as

- a. Chemo taxis
- b. Chemo nasty
- c. Chemotropism
- d. Chemoreception

15. Match List I with List II and select the correct answer using the codes given below the lists:

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List-I

- a. Increase in wall elongation
- b. Bolting and flowering
- c. Cell division
- d. Dormancy

List-II

- a. Gibberellins
- b. Auxins
- c. Abscisic acid
- d. Cytokinins

A B C D

a. 2 1 3 4

b. 2 1 4 3

c. 1 2 4 3

d. 1 2 3 4