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Competitive Exams: Botany MCQs (Practice_Test 92 of 104)

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

List-I	List-II
A. Antiginberellin	1. Scopoletin
B. Growth inhibitor	2. Caffeic acid
C. Germination inhibitor	3. Abscisic acid
D. IAA-oxidize inhibitor	4. Cycocel

A B C D

- 2 3 1 4
- 4 2 3 1
- 3 1 4 2
- 4 3 1 2

3. Which one of the following classes of plant hormones is the substitute for low temperature treatment?
- Auxins
 - Gibberellins
 - Cytokine
 - 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	List-II
A. Positively photoelectric	1. Rice
B. Non-photoelectric	2. Lettuce
C. Possible under anaerobic conditions	3. Cucumber
D. Requires acid scarification	4. Leucaena

A B C D

- 2 3 4 1
 - 2 3 1 4
 - 3 2 1 4
 - 3 2 4 1
5. Which one of the following methods requires two genetically variable individuals to produce the progeny?
- Cutting
 - Layering
 - Budding
 - Goatee
6. Besides lipid, pollenkitt consists mainly of
- Anthocyanins
 - 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 藪Con A
 - b. Abrus precatorius 藪Abrin
 - c. Dolichos biflorus 藪Dolin
 - d. Ricinus communis 藪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. Euphorbiaceae
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?
- Surgical treatment of stigma
 - Application of growth substances and other chemicals
 - Hot water and high temperature treatment
 - 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
- Pollen grain
 - Exine
 - Tapetum
 - Stigma
14. The movement of antherozoids towards the archegonium (egg) due to the secretion of some chemical substance is known as
- Chemo taxis
 - Chemo nasty
 - Chemotropism
 - Chemoreception
15. Match List I with List II and select the correct answer using the codes given below the lists:

List-I	List-II
A. Increase in wall elongation	1. Gibberellins
B. Bolting and flowering	2. Auxins
C. Cell division	3. Abscisic acid
D. Dormancy	4. 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

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