

Examrace

Competitive Exams: Botany MCQs (Practice_Test 46 of 104)

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1. Replication of DNA on its lagging strand takes place in
 - a. Okazaki fragments
 - b. Nucleosomes
 - c. Nucleoids
 - d. Nuclein

2. Which one of the following pairs is not correctly matched?
 - a. Morphine 褰Opium poppy
 - b. Atropine 褰Black nightshade
 - c. Quinine 褰Cocoa leaves
 - d. Caffeine 褰Tea leaves

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

List-I	List-II
A. Camphor B. Anthocyanin C. Nicotine D. Hydroquinone	1. AlkaLoid 2. Terpene 3. Phenol 4. Glycoside

A B C D

a. 2 4 1 3

b. 1 3 2 4

c. 3 2 4 1

d. 2 4 3 1

4. Which one of the following is labeled with ^3H to study RNA biosynthesis?

a. Thymidine

b. Uridine

c. Cytosine

d. Guanosine

5. The bioassay for gibberellins is

a. Avena curvature test

b. Soyabean callus test

c. α -amylase induction test in barely aleurone cells

d. Barely leaf-disc test for chlorophylls

6. In germinating oil seeds β -oxidation of free fatty acids takes place in

a. Oleosomes

b. Glyoxysomes

c. Mitochondria

d. Cytosol

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

List-I (Meaning)	List-II (Phenomenon)
A. Embryos arise directly from diploid saprophytic cells (nucleus or integuments)	1. Parthenogenesis
B. An archesporium differentiates but the megaspore mother cell develops into an unreduced embryo sac	2. Polyembryony
	3. Adventitious embryonic

C. Many embryos arising in one ovule	4. Delusory
D. The development of embryo from unfertilized egg	

A B C D

a. 1 2 3 4

b. 3 4 2 1

c. 3 2 4 1

d. 3 1 4 2

8. A 'clone' is defined as a collection of genetically

- a. Different individuals produced by sexual reproduction
- b. Different individuals by vegetative reproduction
- c. Identical individuals by sexual reproduction
- d. Identical individuals by vegetative reproduction

9. The bishopric type of embryo sac development is characterized by the

- a. Formation of cell walls after heterotypic and homonymic divisions
- b. Formation of cell wall after heterotypic division
- c. Failure of wall formation after heterotypic and homonymic divisions
- d. Formation of cell wall after homonymic division

10. Match biotic vectors in List I with the pollinating term in List II and select the correct answer using the codes given below the lists:

List-I	List-II
A. Insects	1. Ornithophily
B. Birds	2. Cheirophily
C. Bats	3. Entomophilies
D. Humming birds	4. Hemiophily

A B C D

a. 3 1 2 4

b. 1 2 3 4

c. 2 4 3 1

d. 4 2 3 1

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

List-I (System of pollination control)	List-II (Associated plant)
A. Monoecious	1. Date Palm
B. Self-incompatible	2. Maize
C. Dioeciously	3. Cauliflower
D. Cleistogamous	4. Groundnut
	5. Sunflower

A B C D

a. 3 5 4 1

b. 2 3 1 4

c. 1 4 3 5

d. 2 1 4 3

12. In angiosperms normally after fertilization

a. The zygote divides earlier than the primary endosperm nucleus

b. The primary endosperm nucleus divides earlier than the zygote

c. Both the zygote and primary endosperm nuclei divide simultaneously

d. Both the zygote and primary endosperm nuclei undergo a resting period

13. Ruminant endosperm is formed due to the activity of which of the following?

- a. Seed coat
- b. Endosperm
- c. Embryo
- d. Haustorium's

Select the correct answer from the codes given below:

Codes:

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

14. Which of the following processes involved are true of the germinating seed?

- a. Imbibitions of water
- b. Evolution of oxygen
- c. Synthesis of enzymes
- d. Emergence of radical.

Select the correct answer using the codes given below:

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

15. When mimosa pudica plant is touched or is exposed to a shock or mechanical blow the leaflets close upwards and the lower side of the petiole contracts.

- a. Epinasty
- b. Nyctinasty
- c. Seism nasty
- d. Autonomy