

## Examrace

### Competitive Exams: Botany MCQs (Practice\_Test 23 of 104)

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1. The technique used to synthesize large quantities of specific DNA fragment without cloning it, is called
  - a. Gene replication
  - b. DNA amplification
  - c. Gene polymerization
  - d. DNA duplication
2. Formation of propagules on floral branches, either in to the flowers or in the place of them, is called
  - a. Adventive embryony
  - b. Generative apospory
  - c. Somatic apospory
  - d. Vegetative vivipary
3. Which one of the following figures is correct in terms of the approximate number of species of Fungi described?
  - a. 6,890
  - b. 23,430
  - c. 46,980
  - d. 64,250
4. Consider. The following plants:
  - a. Castor bean
  - b. Pea
  - c. Maize
  - d. Soybean

In which of these plants is cotyledon the principal reserve tissue of food?

- a. 1 and 2

b. 2 and 4

c. 1 and 3

d. 3 and 4

5. Consider the names of the following pests:

a. Army worm of cotton

b. Colorado potato beetle

c. Cabbage looper

d. Diamond-back moth of cabbage

Which of these are the target pests of

*Bacillus thuringiensis*?

a. 1,2, 3 and 4

b. 2,3 and 4

c. 1 and 2

d. 1,3 and 4

6. The rate of change of species composition among different stands of different forests is expressed by

a. Alpha diversity

b. Beta diversity

c. Total variability

d. Variability

7. Match List I with List II and select the correct answer:

List-I (Plants)	List-II (Medicinal value)
A. <i>Adhtoda vasica</i>	1. Antihelminthic
B. <i>Artemisia maritima</i>	2. Ecpectorant
C. <i>Digitalis purpurea</i>	3. Treatment for Heart Disease
D. <i>Podophyllum emodi</i>	4. Purgative

**A B C D**

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a. 2 1 3 4

b. 3 1 2 4

c. 2 4 3 1

d. 3 4 2 1

8. Electroporation is a technique commonly used in

a. Tissue culture

b. Somatic hybridization

c. Radioimmuno assay

d. Electrophoresis

9. Which one of the following is not in the commonly found vegetation of the desert of Indus Plain?

a. *Ceriops roxburghiana*

b. *Prosopis specigera*

c. *Salvadora oleoides*

d. *Tamarix articulata*

10. Consider the following fatty acids:

a. Stearic acid

b. Oleic acid

c. Linoleic acid

d. Linolenic acid

Which of these are found in plants?

a. 1 and 2

b. 1,3 and 4

c. 2,3 and 4

d. 1,2, 3 and 4

11. With reference to the products of microbial fermentation, which one of the following pairs is correctly matched?

- a. Lactic acid 馱Rhizopus stolonifer
- b. Vinegar 馱Acetobacter sp.
- c. Vitamin B12 馱Streptomyces griseus
- d. B-amylase 馱Saccharomyces sp.
12. Which one of the following pairs is not correctly matched?
- a. Vivipary: 馱Halophytes
- b. Velamen 馱Epiphytes
- c. Sunken stomata 馱. Xerophytes
- d. Pneumatophores 馱. Hydrophytes
13. Consider the following statements:
- a. The genetic material of virus consists of DNA or RNA, but never both
- b. Viruses can be cultured on any synthetic medium
- c. Viruses lack enzymes necessary for the generation of energy
- d. Viruses are transmitted from one organism to another by biological vectors only
- Which of these statements are correct?
- a. 1,2,3 and 4
- b. 2,3 and 4
- c. 1,2 and 4
- d. 1 and 3
14. Which one of the following plants has ovary superior, monocarpellary and unilocular with several ovules on marginal placenta?
- a. Anona squamosa
- b. Datura stramonium
- c. Pisum sativum
- d. Ricinus comm unis
15. ◦ **Assertion (A)** : The total dry mass of a dark grown seedling is less than that of the original seed.
- **Reason (R)** : When a seed germinates and develops into a seedling in total darkness, only fresh mass increases.
- a. Both A and R are true & 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

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