

Examrace

Competitive Exams: Botany MCQs (Practice_Test 101 of 104)

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1. Barring the Himalayan region, India can be divided into following four major vegetation zones:

- a. Tropical deciduous forests
- b. Tropical rain forests
- c. Thorn and scrub forests
- d. Tidal forests

The correct sequence of the descending order in terms of the areas occupied by these zones is

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

2. Consider the following statements: Besides the Sunder bans, mangrove forests are also to be found in

- a. Bhitara Kamka
- b. Godavari delta
- c. Pitchavaram
- d. Kaveri delta

Of these statements

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

3. The species which have a restricted distribution are known as

- a. Ecospecies

- b. Allopatric species
- c. Sympatric species
- d. Endemic species

4. Match List I (plants) with List II (typical habitat) and select the correct answer using the codes given below the lists:

List-I	List-II
A. Utricularia	1. Desert
B. Anagallis	2. On tree branches
C. Loranthus	3. Water
D. Rhizophora	4. Wheat fields
	5. Mangroves

A B C D

- a. 3 4 5 2
- b. 4 1 2 5
- c. 5 1 2 3
- d. 3 4 2 5

5. Consider the following statements: Conservation, preservation and further enhancement of vegetation cover on the earth would

- a. Reduce the greenhouse effect.
- b. Check thickening of the ozone layer.
- c. Save valuable gene pools.
- d. Reduce ecological backlashes.

Of these statements

- a. 2 and 4 are correct
- b. 1,2 and 3 are correct
- c. 1,3 and 4 are correct

d. 1,2, 3, and 4 are correct

6. Which of the following are endangered plants?

- a. Saintpaulia ionantha
- b. Ceratozamia hildae
- c. Punica granatum
- d. Senecio hadrasomum

Select the correct answer

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

7. In the initial stage of protoplast culture sorbitol/mannitol is included

- a. As an additional source of carbon
- b. As an additional source of energy
- c. To keep cells alive after the removal of cell wall
- d. As osmotic stabilizer.

8. Consider the following table: Table of statistics: Oven thy biomass yields of three different components of four tree species (5-year old) . (tonnes per hectare) Tree Name
Stem Bran ch Leaf Total (tonne/hectare)

- a. Eucalyptus 25 15 10 50
- b. Leucaena 22 13 5 40
- c. Acacia 20 7.5 2.5 30
- d. Casuarina 15 3.5 1.5 20

Which one of these trees has produced the highest percentage of stem biomass?

- a. Casuarina
- b. Acacia
- c. Leucaena
- d. Eucalyptus

9. Which one of the following is a phosphate solubilising microorganism?

- a. Bacillus subtills

- b. Acetobacter diazotroph
- c. Rhizobium radicicola
- d. Azotobacter vinelandii

10. Which of the following pairs are correctly by matched?

- a. Assimilatory root: ... Photosynthesis
- b. Fasciculate root: ... Food storage
- c. Stilt root: ... Mechanical support
- d. Sucking root: ... Absorption of moisture from the air

Select the correct answer

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

11. Which one of the following sets consists only of xerophytes plants?

- a. Suhabool, Teak, eucalyptus, mango
- b. Baman, Acacia, zizvphus, teak
- c. Safflower, eucalyptus, asparagus, acacia
- d. Acacia, prosopis, zizvphus, opuntia

12. Excessive aerenchyma yissues in the plants is mainly an adaptation for

- a. Xerophytes condition
- b. Hydrolytic condition
- c. Epiphytic condition
- d. Niesophvtic condition

13. In respect of many grasses, the presence of motor cells in the upper epidermis of leaves is to

- a. Increase the surface area of the leaf
- b. Store large amounts of water
- c. Check transpiration by reducing the surface area of the leaf
- d. Bear unicellular trachoma's

14. Which one of the following is effective in fixing coastal sand belts?

- a. *Acacia nilotica*
 - b. *Pongamia pinuata*
 - c. *Casuarina equisetifolia*
 - d. *Terminalia arjuna*
15. Water pollution is best assessed by determining
- a. DO and BOD
 - b. BOD and turbidity
 - c. Do and acidity
 - d. BOD and turbidity

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