

Examrace

Competitive Exams: Botany MCQs (Practice_Test 37 of 104)

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1. Which one of the following is not correctly matched?
 - a. Cutin 褰 Consists of long chain fatty acids and polyhydroxy derivatives of these fatty acids
 - b. Pectin 褰 Methylated polymer of flacturonic acid
 - c. Lignin 褰 Formed by condensation on coniferyl alcohol
 - d. Callose 褰 Glycosylated aliphatic acid
2. Which one of the following statements is correct?
 - a. In the wood of dicots, ray tracheids are absent
 - b. In the wood of gymnosperms, ray parenchyma is absent
 - c. In most commercially important dicot woods, fibers are absent
 - d. In the wood of all gymnosperms, vessels are absent
3. Consider the following statements:
 - a. In insectivorous plants, trachoma's secrete digestive enzymes onto the trapped insects.
 - b. Suberin gives the strength and waterproofing properties to sclerenchyma.
 - c. Roots do not form a bark.

Which of the statements given above is/are correct?

- a. 1 only
 - b. 1 and 2
 - c. 2 and 3
 - d. 3 only
4. A concentric vascular bundle that has the phloem surrounding the xylem is called
 - a. Closed
 - b. Amphivasal

c. Amphicribal

d. Radial

5. Consider the following statements

a. Stomata are completely absent in hydrophytes.

b. In hydrophytes, vascular bundles always have bundle sheaths.

Which of the statements given above is/are correct?

a. 1 only

b. 2 only

c. Both 1 and 2

d. Neither 1 nor 2

6. What are Phragmoplasts?

a. The spindle microtubules formed during cell division which are involved in pulling the chromosomes to the ends of dividing cell

b. A set of microtubules formed during cell division to guide the dictyosome vesicles to the site of cell wall formation

c. Narrow holes in the cell walls of adjacent cells through which protoplasmic connections are established

d. The plastids in ray parenchyma cells of stems that store carbohydrates and other nutrients during dormant periods

7. Which one of the following statements is not correct?

a. In Capparis aphylla, stipules become modified into spines

b. In Nerium, sunken stomata are present on both upper and lower epidermis and lower epidermis

c. In Asparagus roots store water

d. In the needle of Pinus roxburghii, sclerenchymatous hypodermis is present

8. Match List I (Plant) with List ii (Family) and select the correct answer using the codes given below the lists:

List-I (Plant)	List-II (family)
A. Cardamom	1. Iridaceae
B. Fenugreek	2. Labiatae
C. Peppermint	3. Papilionaceae

D. Saffron

4. Zingilbraceae

A B C D

a. 1 2 3 4

b. 1 3 2 4

c. 4 2 3 1

d. 4 3 2 1

9. By the presence of which of the following can the family Brassicaceae be immediately identified?

- Inferior ovary and cruciform corolla
- Tetradynamous stamens and axile placentation
- Teradynamous stamens and replum
- Cruciform corolla and indehiscent fruit

10. Which one of the following families has syngenesious anthers and inferior ovary?

- Rubiaceae
- Hydrocharitaceae
- Malvaceae
- Asteraceae

11. The family Onagraceae is marked out by which type of embryo sac?

- Peperomia
- Plumbago
- Polygonum
- Oenothera

12. Match List I (Parasites) with List II (Type) and select the correct answer using the codes given below the lists:

List-I (Parasites)	List-II (Type)
A. <i>Cascuta</i> sp.	1. Total root parasite
B. <i>Loranthus</i> sp.	2. Partial root parasite

C. Orabanche sp.	3. Total stem parasite
D. Santalum sp.	4. Partial stem parasite

A B C D

a. 2 4 1 3

b. 2 1 4 3

c. 3 4 1 2

d. 3 1 4 2

13. Who discovered that the infective part of virus is nucleic acids?

- a. De Herelle
- b. Hershey and Chase
- c. Stanley
- d. Lederberg and Tatum

14. Ginkgo resembles ferns in having

- a. Non-motile sperms
- b. Many-ciliated spermatozoids
- c. No ventral canal cell in the archegonia
- d. Reticulated leaves

15. Consider the following substances:

- a. Cellulose
- b. Glucan
- c. Lignin

Which of the above statements is/are found as a component/components of fungal cell wall?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 3 only

d. 1,2 and 3

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