

R.S.P.COLLEGE, JHARIA(Belagaria)
Department of Botany

Semester III Internal Examination, 2021

Paper: C-5 Anatomy of Angiosperm F.M.= 15

Section A

Choose the correct Answer

[15 x 1 = 15]

1. A tissue that does not contain lignin

- a. Sclerenchyma
- b. Parenchyma
- c. Collenchyma
- d. Chlorenchyma

Answer: b

2 The apical meristem of the root is found in

- a. Taproots
- b. Radicals
- c. Adventitious roots
- d. All the roots

Answer: b

3. . Fibres associated with phloem

- a. Wood fibres
- b. Bast fibres
- c. Hard fibres
- d. Surface fibres

Answer: b

4. Which meristem helps in increasing the girth of the plant?

- a. Primary meristem
- b. Apical meristem
- c. Intercalary meristem
- d. Lateral meristem

Answer: d

5. Which of the following has a perforated cell wall?

- a. Vessel
- b. Fibre
- c. Tracheid
- d. Sclereid

Answer: a

6. . Bicollateral bundles are found in the stem of

- a. Pumpkin
- b. Sunflower
- c. Dracaena
- d. Gram

Answer : a

7. vascular cambium are

- (a) parts of epidermis
- (b) parts of pericycle
- (c) lateral meristem
- (d) apical meristem.

Answer: c

8. Vascular cambium produces

- (a) primary xylem and primary phloem
- (b) secondary xylem and secondary phloem
- (c) primary xylem and secondary phloem
- (d) secondary xylem and primary phloem.

Answer: a

9. Which of the following is not true about 'sclereids'?

- (a) these are groups of living cells
- (b) these are found in nut shells, guava pulp, pear
- (c) these are also called stone cells
- (d) these are form of sclerenchyma with fibres.

Answer a

10. Companion cells are found in?

- a) Xylem
- b) stomata
- c) Phloem
- d) Endodermis

Answer c

11. In hydrophytes, stomata are _____

- a) Numerous
- b) seen only on upper epidermis
- c) Absent or rudimentary
- d) Seen only on lower epidermis

Answer: c

12. A plant adaptation commonly found in dry, hot climates is

- a. a thin waxy cuticle
- b. small numerous stomata
- c. plants with stomata that open during the night
- d. ability to lose leaves during the wettest part of the year

Answer d

13. Which are features of leaves of xerophytes?

- a. thick cuticle
- b. flat leaves
- c. hairs on leaves
- d. raised stomata

Answer: c

14. *Hydrilla* and *Vallisneria* are examples of

- (a) submerged aquatic plants
- (b) floating aquatic plants
- (c) aquatic plants with floating leaves
- (d) amphibious plants with dimorphic leaves

Answer: a

15. Leaves of desert grasses often roll their leaves to

- (a) protect growing apex
- (b) reduce respiration
- (c) check loss of water by transpiration
- (d) none

Answer c