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SUBJECT CODE NO: - YY-2348
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F.Y (Sem- II)
Examination March / April - 2023
Botany Paper-V Histology, Anatomy & Embryology Paper-IV

[Time: 1:30 Hours]

[Max. Marks: 40]

Please check whether you have got the right question paper.

N. B

- 1) All questions are compulsory.
- 2) All question carry-equal marks.
- 3) Draw neat diagram and give labels where ever necessary.

Q1 Define tissue? Describe the simple permanent tissue in plants. 10

OR

Explain in Brief.

- a) L. S. of shoot apex.
- b) Nectarines and oil glands.

Q2 Describe secondary growth in sunflower stem. 10

OR

Explain in Brief.

- a) Annual rings.
- b) Periderm

Q3 write short notes on. (Any Two) 10

- a) cellular endosperm.
- b) contrivances for Self Pollination
- c) structure of monocot seed.

Q4 Multiple choice questions 10

1. There are three types of meristematic tissue, apical _____ Lateral.
 - a) Simple b) complex c) Intercalary d) vascular
2. Permanent tissues are classified into _____ types.
 - a) One b) Two c) Three d) four
3. Tunica corpus theory was put forth by _____.
 - a) Nageli b) Schmidt c) Hanstein d) Eames.
4. Guard cells controls the opening and closing of _____.
 - a) Digestive gland b) stomata c) Trichomes d) Nectarines
5. In _____ types of Parenchymatous tissue chloroplast is found.
 - a) xylem b) chlorenchyma c) Sclerenchyma d) Phloem.
6. _____ is also known as ground tissue.
 - a) Epidermis b) Endodermis c) cortex d) cambium
7. Casparian strips are present in _____.
 - a) Endodermis b) Hypodermis c) Pericycle d) Epidermis

8. In Angiosperms _____ functions as male gametophyte.
a) Pollen grains b) Nucellus c) ovules d) stamens
9. A set of three nuclei present at micropylar end in embryo sac are _____
a) Polar nuclei b) synergids and egg
c) Antipodal cells d) None of these
10. Pollination takes place through the agency of water is called as _____
a) Anemophily b) Hydrophily c) Zoophily d) Entomophily