(b) Explain adaptation of leaf to counteract water stress. 5

5. (a) Explain the structures root apical meristem. Give the theories of root apical organization. 5

(b) Explain anatomical featues of monocotyledonous root. 5

Or

6. (a) Describe detailed anatomy of isobilateral leaf. 5

(b) How flower can be regarded as modified shoot? 5

7. (a) Describe process of male gametogenesis in angiosperms. 5

(b) Write note on : Pollen grain wall 5

Or

8. (a) Describe the structure of embryo sec in higher plants. 5

(b) Write note on : Pollination Method 5

9. (a) What are fatty acids? Describe different types of oils. 5

(b) Write a note on : Corn types. 5

Or

10. (a) Describe processing of coffee. 5

(b) Write note on : Spice Yielding Plants. 5

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UG Odd Semester Examination, 2022

EDUCATION B.Sc. B.Ed

(5th Semester)

Course No.: BSBP-502

(Structure, Development & Reproduction in Flowering Plants)

Full Marks: 50

Pass Marks: 20

Time: 2 hours

The figures in the right margin indicate full marks for the question.
Answer the following five (5) questions

1. (a) How plants can be classified based on habit? 5

(b) Depict the convergent evolution of tree habit in Gymnosperms, Monocotyledons and Dicotyledons. 5

Or

2. (a) Why trees are regarded as "largest and longest living organism"? 5

(b) Write note on : Shoot Apical Meristem (SAM) 5

3. (a) Write note on : Secondary Phloem 5

(b) What are growth rings? Differentiate between sapwood and heartwood. 1+4

Or

4. (a) Describe cambium. 5