5. (a) Differentiate between primary and secondary phloem. 4

(b) Explain special structure of seed. 3

(c) Describe leaf anatomy of dicotyledons. 3

Or

6. (a) Differentiate between springwood and autumn wood. 4

(b) Write note on : Endosperm variants. 3

(c) Describe root modifications. 3

7. (a) Explain significance of Gymnosperms. 5

(b) Write note on : Affinities of Gymnosperms 5

Or

8. (a) Describe types of ovules. 3

(b) Write note on : Tetrasporic Embryosacs 4

(c) Describe anther wall layers. 3

9. (a) What is meant by Parthenogenesis? 3

(b) Explain self Incompatibility. 4

(c) Write note on : Biotic Pollination Methods 3

Or

10. (a) Describe development of endosperm in dicotyledons. 4

(b) Write note on : Apomixis 3

(c) How seed and fruits are dispersed? 3

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UG Odd Semester Examination, 2022

EDUCATION B.Sc. B.Ed

(7th Semester)

Course No.: BSBH-702

(Biology of Seed 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 meristem can be classified based on origin and development? 4

(b) Differentiate between permanent and meristematic tissue. 4

(c) What is importance of meristem? 2

Or

2. (a) Describe theories of Shoot apical meristem (SAM). 5

(b) Write note on : Secondary Meristem 5

3. (a) Write note on : Parenchyma 5

(b) Describe stem modifications. 5

Or

4. (a) Explain Sclerenchyma. 5

(b) Write note on : Internal Secretory Structures. 5