UG Odd Semester Examination, 2022

EDUCATION B.Sc. B.Ed

(1st Semester)

Course No.: BSBH-102

(Concept of Cryptogams)

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) Describe thallus structure in Cyanophyceae ? 3

   (b) Write note on: Importance of Bacteria. 3

   (c) Explain a sexual reproduction in Vaucheria. 4

Or

2. (a) Explain sexual life cycle in Chara. 4

   (b) Write note on: Importance of Algae. 3

   (c) Describe flagella types found in Algae. 3

3. (a) What is Spitzenkorper?. 3

   (b) Explain sexual life cycle in Phytophthora. 5

   (c) Write note on: significance of fungi. 2

Or

4. (a) Describe characteristics features of Zygomycetes. 3

(b) Explain sexual life cycle in Rhizopus. 4

(c) Write note on: Vegetative fungal hyphal organization. 3

5. (a) Explain distinctive features of Anthocerotopsida. 3

(b) How Bryophytes evolved to adapt on land? 3

(c) Explain sexual life cycle in *Marchantia*. 4

Or

6. (a) Describe distinctive features of Bryopsida. 3

(b) What is the economic importance in Bryophytes. 3

(c) Explain structure of sporphyte in *Anthoceros*. 4

7. (a) Explain characteristic features of Psilopsida. 3

(b) How Pteridophytes are different from Bryophytes? And why they resemble seed plants? 3

(c) Describe plant morphology of Selaginella. 4

Or

8. (a) Explain characteristic features of Sphenopsida. 3

(b) Write note on: Significance of Pteridophytes. 3

(c) Describe plant morphology of Lycopodium. 4

9. (a) Describe plant morphology of Cycas. 5

(b) Write note on: Classification of Gymnosperms. 5

Or

10. (a) Describe sexual reproduction in Pinus. 5

(b) Write note on: Importance of Gymnosperms. 5

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