

2022
M.Sc.
First Semester
CORE – 02
BOTANY
Course Code: MBOC 1.21
(Bryophytes & Pteridophytes)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

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| 1. Write a note on the origin of bryophytes. | 14 |
| 2. Discuss on the range of thallus structure of bryophytes. | 14 |

UNIT-II

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| 3. Discuss on the evolution of sporophyte in bryophytes. | 14 |
| 4. Write a note on bryophytes as site specific bioindicator and phytoremediator for environmental pollution. | 14 |

UNIT-III

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| 5. Write a note on the origin of pteridophytes. | 14 |
| 6. Elaborate on the pteridophyte affinities with gymnosperms. | 14 |

UNIT-IV

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| 7. Describe the structures and life cycle of <i>Lycopodium</i> . | 14 |
| 8. Describe the structures and life cycle of <i>Rhynia</i> . | 14 |

UNIT-V

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| 9. Discuss on the diversity of ferns from an ecological perspective. | 14 |
| 10. Write a note on the economic importance of pteridophytes. | 14 |

