

Ramsaday College
Botany (H)
Test Examination 2018
1st year Paper – II
Time – 2 hours Full marks – 50
Module – III

Answer the following questions-

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| 1. a) What is polyembryony? | 2 |
| b) What is pseudoelater? | 1 |
| c) Write the name of two index fossils? | 2 |
| d) Write the name of two Indian reconstructed fossils? | 2 |
| e) What is sporopollenin? | 2 |
| f) What are peristome teeth? | 1 |
2. Describe the classification of Bryophyte according to Proskauer, 1957 with their respective class features and examples. 5+10

Or

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|--|---|
| a) Role of bryophyte in plant succession. | 5 |
| b) Environmental importance of Bryopsida. | 5 |
| c) Write a note on evolution of sporophyte of bryophyte. | 5 |
3. Classify the pollens according to Erdtmen. How many pollen apertures are found? Describe them with suitable diagram. 5+4+6

Or

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|---|---|
| a) Write a short note on apospory and apogamy. | 5 |
| b) Indian Gondwana system | 5 |
| c) Describe the Geological time scale with example. | 5 |
4. Answer any two of the following- 5 × 2 = 10
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|---|--|
| a) Describe the development of endosperm. | |
| b) What is pollen – ovule ratio? Write the significance of it in fertilization. | |
| c) Write a note on fossils nomenclature. | |
| d) write a note on forensic palynology. | |