

B.Sc Part I 2020
(Under 1+1+1 Regulations)
BOTANY HONOURS
PAPER II A

Time 2 hours

FM 50

1. Answer the following questions **1x5**

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| a) Name a pollution sensitive bryophyte. | 1 |
| b) Mention one important point of distinction between spore and pollen grain | 1 |
| c) Draw a tricolporate pollen grain in polar view. | 1 |
| d) Define chemical fossil. | 1 |
| e) What is tectum? | 1 |

2. Answer any three questions **5x3**

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|---|---|
| a) Mention the salient features of the class Bryopsida. | 5 |
| b) Role of bryophytes in plant succession. | 5 |
| c) Write short note on vegetative reproduction in bryophytes. | 5 |
| d) Write down the significance of aeropalynology. | 5 |

3. Answer any three questions **10x3**

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| a) Describe and illustrate the types of endosperm development in angiosperm. | 10 |
| b) Describe pollen/ovule ratio and its significance. | 10 |
| c) Outline the Proskauer's Classification (1957) of bryophyte upto class with character and example. | 10 |

Give an account of mechanism of capsule dehiscence mode of spore dispersal in different groups of bryophytes. 10