

2021
B.A./B.Sc.
Third Semester
GENERIC ELECTIVE
BOTANY
Course Code: BOG 3.11
(Plant Anatomy & Embryology)

PART-B
Total Mark: 30

Answer the following questions.

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| 1. (a) Explain why xylem and phloem are known as complex tissues. | 4 |
| (b) Explain why sclerenchyma tissues are considered as a mechanical tissue in plants. | 2 |
| 2. (a) Why is vascular cambium known as secondary meristematic tissue? | 2 |
| (b) Explain how secondary growth takes place in dicot stem. | 4 |
| 3. (a) Why is root system generally well developed in xerophytes? | 2 |
| (b) What enables the epidermis to perform the protective role in plants? | 4 |
| 4. What is pollination? Explain the adaptive features of anemophily. | 2+4 |
| 5. Write notes on endosperm and types. | 2+4 |
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