

No. of Printed Pages : 1

21BOT2C5L



Sl. No.

M.Sc. II Semester Degree Examination, Sept./Oct. - 2024

BOTANY

DSC - 5 - Plant Anatomy and Histochemistry

(NEP)

Time : 3 Hours

Maximum Marks : 70

Note : (i) Answer **any five** of the following questions.
(ii) Question No. 1 is **Compulsory**.

1. Explain Histochemistry of cellwall with the neat labelled diagram. **14**
2. Describe Ultrastructure and differentiation of xylem. **14**
3. Discuss the anomalous secondary growth in monocot. **14**
4. Write short notes on :
 - (a) Microtome **7**
 - (b) Floral Meristem **7**
5. Explain Embedding technique for electron microscope with neat labelled diagram. **14**
6. Give notes on :
 - (a) Anatomical features of monocot root **5**
 - (b) Periderm and bark **5**
 - (c) PAS test **4**
7. Write a short note on :
 - (a) Theories of Root apical meristem **9**
 - (b) Leaf development **5**
8. Give a note on :
 - (a) H and E staining method **10**
 - (b) Test for lignin **4**

- o O o -

