

Sr.No.2409

Exam Code: 210003
Subject Code: 4808

M.Sc. Botany - 3rd Sem.
(2119)

Paper : BOTC-617

Plant Morphogenesis

Time allowed : 3 hrs.

Max. Marks : 50

Note:- Attempt Five Questions in all, selecting ONE question from each section. Question No.5 may be attempted from any section. All Questions carry equal marks.

Section-A

1. Define Polarity and explain its various expressions in isolated cells.
2. Discuss about correlation and its role in relation to physiology and genetics of the cell. 10

Section-B

3. What is symmetry? Describe its kind and role in cell system.
4. Explain about differentiation and its function in plant growth. 10

Section-C

5. Write about types and purpose of regeneration in plants.
6. What are somatic mutations? Explain its methods and applications in crop improvement. 10

Section-D

7. Explain various types of abnormal development in organ system.
8. Give a detailed account on morphogenetic factors. 10

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