

Exam. Code : 210003
Subject Code : 4914

M.Sc. Botany 3rd Sem. (Batch 2020-22)

PLANT MORPHOGENESIS

Paper : BOT-C617

Time Allowed—3 Hours] [Maximum Marks—50

Note :- Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section. All questions carry equal marks.

SECTION-A

1. Describe the genetic and physiological correlations in plant morphogenesis.
2. Explain polarity and its manifestations as expressed in external and internal structures.

SECTION-B

3. Elaborate the role of symmetry in development pattern of plants.
4. What is differentiation ? Explain its relation to physiology and environment.

SECTION-C

5. Explain about the regeneration pattern in different levels of plants.
6. Write about the interrelations between various tissue mixtures.

SECTION-D

7. Explain about the abnormal and new types of organized structure in plant development.
8. What are the morphogenetic factors ? Explain the role of physical factors in the plant morphogenesis.