

CLASS: B.Sc. BOTANY

15A / 35

St. JOSEPH'S COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI – 620 002

SEMESTER EXAMINATIONS – APRIL 2015

TIME: 2 Hrs. 20 Mins.

MAXIMUM MARKS: 70

SEM	SET	PAPER CODE	TITLE OF THE PAPER
II	2014	14UBO230205	MORPHOGENESIS, ANATOMY AND EMBRYOLOGY

SECTION – B

Answer all the questions:

5 x 5 = 25

31. a. Describe different types of selerides.

OR

b. Write a concise account on the classification of meristem.

32. a. Draw and describe the internal structure of monocot leaf.

OR

b. Describe the internal structure of a dicot stem you have studied.

33. a. Give a concise account on classification of woods.

OR

b. List out the commercial wood species of south india.

34. a. Mention the structure, types and function of tapetum.

OR

b. Write short notes on megasporogenesis.

35. a. Trace the development of *Capsella* type of dicot embryo.

OR

b. Define endosperm. Mention its types and function.

SECTION – C

Answer any THREE questions:

3 x 15 = 45

36. Give an account of the components and functions of xylem and phloem.
37. Explain the process of secondary thickening of dicot stem.
38. Write an elaborate account on physical and chemical properties of wood.
39. How are embryosacs classified? Trace the development of polygonum type of embryosac.
40. What is polyembryony? Explain its classification and significance.
