

BACHELOR OF SCIENCE (CBCS - 2016 COURSE)
T. Y. B Sc. Sem-V : WINTER- 2022
SUBJECT : BOTANY : BIOLOGY OF SEED PLANTS(ANGIOSPERMS)

Day : Friday

Time : 02:00 PM-05:00 PM

Date : 9/12/2022

W-14951-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labeled diagram **WHEREVER** necessary.
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Q.1 Attempt **ANY TWO** of the following: **(12)**

- a) Give distribution & functions of vein in leaf lamina.
- b) Explain concept of flower as modified shoot.
- c) Differentiate between Angiosperm & Gymnosperms with its suitable examples.

Q.2 Attempt **ANY TWO** of the following: **(12)**

- a) Explain typical structure of pistil.
- b) Describe microsporogenesis in Angiosperms.
- c) Give merits & demerits of Hutchinson's system of classification in Angiosperms.

Q.3 Attempt **ANY TWO** of the following: **(12)**

- a) Explain the anatomical structure of dicot root.
- b) Give different types of stomata with suitable examples.
- c) Describe structure of tapetum & its functions.

Q.4 Attempt **ANY THREE** of the following: **(12)**

- a) Explain concept of evolutions of flower.
- b) Give economic importance of family Myrtaceae with any two examples.
- c) Explain development of *Polygonum* type of embryo sac.
- d) Describe megasporogenesis in Angiosperms.

Q.5 Attempt **ANY FOUR** of the following: **(12)**

- a) Explain pollination in Asclepidaceae.
- b) Describe flower in family Magnoliaceae.
- c) Give salient feature of family Papaveraceae.
- d) Enlist an examples of family Cucurbitaceae.
- e) Give distinguishing characters of family Combretaceae.
- f) Give the distinguishing characters of family Labiatae with suitable examples.

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