

BACHELOR OF SCIENCE (CBCS-2018 COURSE)

F. Y. B. Sc. Sem-II :SUMMER- 2022

SUBJECT : BOTANY : PLANT DIVERSITY & UTILIZATION OF PLANTS-II

Day : Wednesday
Date : 13-07-2022

S-18325-2022

Time : 11:00 AM-02:00 PM
Max. Marks : 60

N.B.

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

- a) Give salient features of Angiosperms.
- b) Write difference between cymose and racemose inflorescence with examples.
- c) Describe male cone of *Pinus*.

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

- a) Give distinguishing characters of *Gnetum*.
- b) Describe typical Angiospermic ovule.
- c) Explain vegetative reproduction in *Cycas*.

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

- a) Give medicinal importance of *Adathoda vasica*.
- b) Describe use of *Tinospora cordifolia* as traditional medicine to treat various disorders.
- c) Describe internal structure of *Pinus* needle.

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

- a) Explain concept of identification and classification of *Angiosperms*.
- b) Give salient features of Cycadales.
- c) Describe morphology of *Ginkgo biloba*.
- d) Give diagnostic characters of family Papilionaceae.

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

- a) Give economic importance of family *Malvaceae*.
- b) Write the diagnostic characters of family *Rubiaceae*.
- c) Explain *Siliqua* type of fruit.
- d) Give floral formula and floral diagram of family Liliaceae.
- e) Give salient features of *Gymnosperms*.
- f) Give any two merits and demerits of Bentham and Hooker's System of classification.
