

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
S. Y. B. Sc. Sem-III : WINTER- 2022
SUBJECT : BOTANY : ANGIOSPERM TAXONOMY

Day : Tuesday

Time : 10:00 AM-01:00 PM

Date : 20-12-2022

W-18354-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Draw neat and labelled diagrams **WHEREVER** necessary.
 - 3) Figures to the right indicate **FULL** marks.
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- Q.1** Answer **ANY TWO** of the following: (12)
- a) Give salient features of Bentham and Hookers system of classification.
 - b) What is Binomial nomenclature and explain its concept.
 - c) Write a note on phylogenetic system.
- Q.2** Attempt **ANY TWO** of the following: (12)
- a) Describe economic importance and floral formulae of family Acanthaceae.
 - b) Write an account of distinguishing characters and economic importance of family Solanaceae.
 - c) Assign the family and give medicinal uses of following plants :
i) *Coriandrum sativum* ii) *Azadirachta indica*.
- Q.3** Attempt **ANY TWO** of the following: (12)
- a) Give merits of Engler and Prantle's system of classification.
 - b) Write the floral formula and floral diagram of family Amaryllidaceae.
 - c) Explain natural system of classification.
- Q.4** Attempt **ANY THREE** of the following: (12)
- a) Describe *ICBN* system in Botanical nomenclature.
 - b) Give economic importance of family Asteraceae.
 - c) Explain concept of species.
 - d) Describe phylogenetic system of classification in Angiosperm.
- Q.5** Attempt **ANY FOUR** of the following: (12)
- a) Give economic importance of family Annonaceae.
 - b) Explain concept of taxonomic ranks.
 - c) Give salient features of family Euphorbiaceae.
 - d) Explain *siliqua* type of fruit.
 - e) Give distinguishing character of family Caesalpiniaceae.
 - f) Describe *etareio* of berries type of fruit.

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