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BACHELOR OF SCIENCE (CBCS-2018 COURSE)
F. Y. B. Sc. Sem-II : WINTER- 2022
SUBJECT : BOTANY : PLANT DIVERSITY & UTILIZATION OF PLANTS-II

Day : Friday

Time : 02:00 PM-05:00 PM

Date : 16-12-2022

W-18325-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
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Q.1 Attempt **ANY TWO** of the following : **(12)**

- a) Give important characters of Gymnosperms.
- b) Give morphological characters of family Malvaceae with any two botanical names of plants.
- c) Describe salient features of ICBN.

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

- a) Give salient features of Angiosperms.
- b) Give diagnostic characters of family Papilionaceae and Liliaceae.
- c) Explain various industrial products of neem.

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

- a) Give floral formulae and floral diagram of Rubiaceae.
- b) Explain morphological and anatomical characters of needle of *Pinus*.
- c) Describe general characters of cycadales and coniferales.

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

- a) Give diagnostic characters of family Malvaceae and Rubiaceae.
- b) Give few importance characters and evolutionary significance of order Gnetales.
- c) Describe various medicinal uses of *Adulsa*.
- d) Draw schematic presentation of Bentham and hooker's system of classification.

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

- a) Explain salient features of ICBN.
- b) Sketch and label T.S. of *Pinus* needle.
- c) Give various industrial products of *Tinospora*.
- d) Give difference between Cruciferous and Papilionaceous Corolla.
- e) Describe in brief male cone of *Pinus*.
