

F. Y. B. Sc. SEM-II (CBCS- 2018 COURSE): SUMMER- 2019
SUBJECT: BOTANY: PLANT DIVERSITY AND UTILIZATION OF PLANTS-II

Day: *Saturday*
Date: *27-4-2019*

Time: *11:00 A.M. TO 2:00 P.M.*
Max. Marks: 60

S-2019-0788

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to right indicate **FULL** marks.

Q.1 Attempt **ANY TWO** of the following: **(12)**

- a) Write important characters of angiosperms and give in brief classification according to Bentham and Hooker's system.
- b) Give floral formulae and floral diagram of family Rubiaceae and Malvaceae.
- c) Give important characters and classification of Gymnosperms.

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

- a) Describe T.S. of *Pinus* stem.
- b) Explain various industrial products of aduসা.
- c) Give comparative study of cycadales and coniferales.

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

- a) Describe economic importance of Brassicaceae.
- b) Give classification of Ginkgo and its important characters.
- c) Write in short industrial products of Tinospora.

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

- a) Give important characters of Gnetales with an example.
- b) Write the uses of Tinospora for human health.
- c) Give floral structure and reproduction in angiosperms.
- d) Give medicinal uses of neem.

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

- a) Give an account of classification and diagnostic characters of Malvaceae, Lililaceae and Papilionaceae.
- b) Explain L.S. of female cone in *Pinus*.
- c) Give an account of salient features of the International Code of Botanical Nomenclature (ICBN).
- d) Comment on flower as modified shoot.
- e) Sketch and label parietal and axil placentation.

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