

F.Y.B.SC. SEM – II (2014 Course) : WINTER - 2018

**SUBJECT: BOTANY: PLANT DIVERSITY AND UTILIZATION OF PLANTS-II
(B-21)**

Day: Wednesday

Date: 17/10/2018

W-2018-0789

Time: 03.00 PM TO 05.00 PM

Max Marks: 40

N.B:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat & labeled diagrams **WHEREVER** necessary.
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Q.1 Attempt any **TWO** of the following **(10)**

- a) Describe primitive and advance features of Angiosperm.
- b) Sketch floral formulae, floral diagram and comment on economic importance of family Rubiaceae.
- c) Give outline classification of Angiosperm according to Bentham & Hooker's system.

Q.2 Attempt any **TWO** of the following **(10)**

- a) Give morphological characters of family Papilionaceae.
- b) Comment on male cone of Pinus.
- c) Give principles of ICBN.

Q.3 Attempt any **TWO** of the following **(10)**

- a) Comment on plant part used and uses of Adulsa.
- b) Give active principles and uses of Neem.
- c) What is alternation of generation? Describe schematic representation of life cycle of *Pinus*.

Q.4 Attempt any **FIVE** of the following **(10)**

- a) Describe cruciform corolla.
- b) Write short note on Binomial nomenclature.
- c) Enlist industrial product of *Ginkgo biloba*.
- d) Describe monoadelphous and diadelphous stamens.
- e) Explain morphological characters of *Pinus* needle.
- f) Comment on fruit of family Brassicaceae.
- g) Enlist industrial products of *Tinospora*.

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