

**F.Y.B.SC. SEM – II (2014 COURSE) : SUMMER - 2018**  
**SUBJECT: BOTANY: PLANT DIVERSITY AND UTILIZATION OF PLANTS-II**  
**(B-21)**

Day: **Friday**  
Date: **20/04/2018**

**S-2018-0696**

Time: **03.00 PM TO 05.00 PM**  
Max Marks: 40

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**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) Give outline classification of angiosperms according to Bentham and Hooker's system.
- b) Give diagnostic characters and economic importance of family Liliaceae.
- c) Explain salient features of angiosperm.

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

- a) Give morphological characters of family Rubiaceae.
- b) Explain comparative account of cycadales and coniferales.
- c) Describe industrial products of Neem helpful for betterment of man.

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

- a) Give botanical name, plant part used and medicinal uses of *Tinospora*.
- b) Describe the structure of female cone of *Pinus*.
- c) Give evolutionary significance of Gymnosperms.

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

- a) Describe papilionaceous corolla with suitable diagram.
- b) Explain morphological structure of *Pinus* needle.
- c) Comment of binomial nomenclature.
- d) Enlist industrial products of *Ginkgo biloba*.
- e) Give classification of Gymnosperms.
- f) Give schematic representation of alternation of generation in *Pinus*.
- g) Give floral formulae and floral diagram of family Malvaceae.

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