

**F.Y.B.SC. SEM – II (2014 COURSE) : WINTER - 2017**  
**SUBJECT: BOTANY: PLANT DIVERSITY AND UTILIZATION OF PLANTS-II**  
**(B-21)**

Day: **Wednesday**  
Date: **01/11/2017**

**W-2017-0604**

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 general account of structure and reproduction of flower.
- b) Comment on salient features of ICBN.
- c) Describe morphological characters of family Malvaceae.

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

- a) Give comparative account of Gnetales and Ginkgoales.
- b) Describe structure of male cone of *Pinus*.
- c) Give active principles of *Adulsa* and describe its medicinal uses.

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

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

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

- a) Give difference between monoadelphous and diadelphous stamens
- b) Explain characters of cycadales .
- c) Comment on botanical nomenclature.
- d) Describe cruciform corolla with suitable diagram.
- e) Give schematic representation of alternation of generation in *Pinus*.
- f) Enlist industrial products of *Ginkgo biloba*.
- g) Write note on siliqua fruit.

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