

**T.Y.B.SC. SEM – V (2014 Course) : WINTER - 2018**  
**SUBJECT: BOTANY: BIOLOGY OF SEED PLANTS (ANGIOSPERMS) (B-52)**

Day: Wednesday  
Date: 10/10/2018

**W-2018-0832**

Time: 12.00 NOON TO 02.00 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 salient features of Angiosperms.
- b) Describe anatomy of dicotyledon stem with suitable example.
- c) Explain concept of floral anatomy.

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

- a) Explain the development of male gametophyte.
- b) Give salient features of family Myrtaceae with suitable examples.
- c) Describe the structure of *Polygonum* type of embryo sac.

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

- a) Explain economic importance of family Sapotaceae.
- b) Give Taktajan's system of classification with its merits.
- c) Describe floral characters of family Mangoliaceae.

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

- a) What is organography?
- b) Give functions of veins.
- c) What is stomatal index?
- d) Describe types of tapetum?
- e) What is microsporogenesis?
- f) Describe Cyathium type of inflorescence.
- g) Give types of ovule

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