

T.Y.B.SC. SEM – V (2014 COURSE) : SUMMER - 2018
SUBJECT: BOTANY: BIOLOGY OF SEED PLANTS (Angiosperms)

Day: **Thursday**
Date: **12/04/2018**

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

S-2018-0739

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Neat labelled diagram should be drawn **WHEREVER** necessary.
-

Q.1 Attempt any **TWO** of the following: **(10)**

- a) Give an account Takhtajan's system of plant classification in brief.
- b) Describe flower in detail.
- c) What is tapetum? Explain its structure.

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

- a) Give types of ovules with suitable examples.
- b) Explain development of polygonum types of embryo sac.
- c) Give salient features of angiosperms.

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

- a) Explain the process of microsporogenesis.
- b) Describe dicot stem anatomy with suitable examples.
- c) Give distinguishing features of family Cucurbitaceae.

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

- a) Explain pollination in Asclepidaceae.
- b) Give merits of Bentham and Hooker's system of classification.
- c) Explain flower in family Mangnoliaceae.
- d) Give functions of veins.
- e) Enlist salient features of Labiatae.
- f) Explain flower of family Bignoniaceae.
- g) Give distinguishing characters of family Cannaceae.

* * * *