

Bachelor of Science (S.Y. B.Sc.) Third Semester
B. Sc 2342 - Botany Paper-II
(Reproductive Biology of Angiosperms and Plant Resources)

P. Pages : 2

Time : Three Hours



GUG/W/18/1257

Max. Marks : 50

- Notes: 1. All questions are compulsory and carry equal marks.
2. Draw well labelled diagram wherever necessary.

1. Describe the role of various agencies in cross pollination. 10

OR

Write notes on.

- a) Development of dicot embryo (onagrad type). 5
- b) Suspended animation. 5
2. Describe sustainable utilization. Write about in-situ and ex-situ conservation. 10

OR

Write on:-

- a) Process of oil extraction from Jatropha curcus. 5
- b) Cultivation and commercial uses of Turmeric. 5
3. Write short notes on.
- a) Structure of Pistil. 2½
- b) Onagrad type embryo (Diagram only) 2½
- c) Spices and condiments. 2½
- d) Commercial uses of acacia gum. 2½

OR

- e) Types of ovules. 2½
- f) Ecological adaptation of seed. 2½
- g) Management practices & its need. 2½
- h) Processing of capsicum. 2½

4. Write short note on.
- a) Double fertilization and triple fusion. 2½
 - b) Cellular type of endosperm. 2½
 - c) Gene Bank. 2½
 - d) Uses of lemon grass oil. 2½

OR

- e) Male gametophyte. 2½
- f) Seed as a unit of recombination. 2½
- g) Ocimum sanctum uses. 2½
- h) Oil extraction of cymbopogon. 2½

5. Write answers in two or three line **any ten**. **10**

- a) Integument.
- b) Bisporic Embryo sac.
- c) Baculum.
- d) Ruminant endosperm.
- e) Epicotyl.
- f) Hydrochory.
- g) Fumicatories.
- h) Sancharies.
- i) Waxes.
- j) Uses of turmeric.
- k) Pongamia pinnata.
- l) Khus.
