

S.Y.B.Sc. (With Credits)-Regular-Semester 2012 Sem III
**B.Sc 2342 - Botany : Paper-II (Reproductive Biology Of Angiosperms
And Plants Resources)**

P. Pages : 2

Time : Three Hours



GUG/W/16/3331

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate your answer with suitable examples and draw well labelled diagrams wherever necessary.

1. Describe microsporogenesis and male gametophyte. 10

OR

Write note on :

- a) Seed as unit of genetical recombination and Replenishment. 5
b) Endosperm and its type. 5

2. Write an essay on participatory management. 10

OR

Write note on :

- a) Process of extraction of oil and Biodiesel from seeds of Pongamia pinnata (Karanji). 5
b) Harvesting and commercial uses of Acacia nilotica (Babhul) gum. 5

3. Write short notes on :

- a) Attraction in cross pollination. 2½
b) Suspended animation. 2½
c) Ex. situ conservation. 2½
d) Commercial use of chilli (Capsicum sp.). 2½

OR

- e) Double fertilization and triple fusion. 2½
f) Anemochory. 2½
g) Process of Rubber Latex extraction. 2½
h) Cultivation of Turmeric. 2½

4. Write short notes on :
- a) Structure of mature ovule. 2½
 - b) Zoochory. 2½
 - c) Beverage plants & its uses (any two). 2½
 - d) Uses of Vetiveria zizanioids (khus) oil. 2½

OR

- e) Pollen-pistil interaction. 2½
- f) Ecological adaptation of seeds. 2½
- g) Vegetable oil yielding plant and their uses (any three). 2½
- h) Process of Biodiesel production from Jatropha seeds. 2½

5. Write answers in two to three line **any ten** (Diagram are not necessary). **10**

- a) Proubisch bodies.
- b) Tetra hedral tetrad.
- c) Circinotropus ovule.
- d) Endosperm Haustoria.
- e) Protoblastic seeds.
- f) Hydrochory.
- g) Seed bank.
- h) Buffer zone.
- i) Chipko movement.
- j) Biodiesel.
- k) Drooping leaves.
- l) Curing.
