

S.Y.B.Sc. (With Credits)-Regular-Semester 2012 Sem III
B.Sc 2341 - Botany Paper - I (Taxonomy And Diversity Of Angiosperms)

P. Pages : 2

Time : Three Hours



GUG/W/16/3330

Max. Marks : 50

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

1. What is ICBN? Write about principles and Rules of Botanical nomenclature? 10

OR

Write on :

a) Types of plants classification. 5

b) Dicotyledons in Bentham and Hooker's system of classification. 5

2. Describe the family Brassicaceae with its economic importance. 10

OR

Write on:

a) Floral characters of Asteraceae. 5

b) Economic importance of Liliaceae. 5

3. Write short notes on :

a) Magnolia-a primitive Angiosperm. 2½

b) Merits of Bentham and Hooker's system of classification. 2½

c) Floral structure in caesalpiaceae. 2½

d) Floral Diagram and Floral formula of Asclepiadaceae. 2½

OR

e) Theophrastus. 2½

f) Demerits of Bentham and Hooker's system of classification. 2½

g) Floral Diagram and Floral formula of malvaceae. 2½

h) Cyathium. 2½

4. Write short notes on :

a) Sahanianthus. 2½

- b) Natural system of classification. 2½
- c) Economic importance of solanaceae. 2½
- d) Spikelet of Poaceae. 2½

OR

- e) Enigmocarpon. 2½
- f) Digital Herbarium. 2½
- g) Floral characters of Ocimum Sanctum Linn. 2½
- h) Economic importance of orchidaceae. 2½

5. Write answers in two or three lines only for **any ten**. Diagrams are not necessary.

- a) Deccan Intertrappean Bed. 1
- b) Isotype. 1
- c) Taxon. 1
- d) Series. 1
- e) Monochlamydae. 1
- f) Labelling. 1
- g) Keel. 1
- h) Perigynous. 1
- i) Valvate. 1
- j) Didynamous. 1
- k) Corona. 1
- l) Syncarpous. 1
