

M.Sc. Sem.-1 Examination

403

Botany

January-2024

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: 1. All Question carries equal mark and Write your Que/Ans. Number properly in Answersheet.
2. Draw neat and labelled diagram where it necessary.

Que:1. Describe Botanical Survey of India and its Objectives and Circles . (14 Marks)

OR

Que:1 (a) Describe Pistil structure and Placentation type. (07 Marks)

(b) Describe Pinnate Compound leaves and its type. (07 Marks)

Que:2. Explain Merits and Demerits of Engler and Prantle Classification. (14 Marks)

OR

Que:2 (a). Describe : Angiosperm Phylogeny Group System (07 Marks)

(b). Describe: Role of Flora in Plant Identification. (07 Marks)

Que:3. Describes Botanical Gardens in India. (14 Marks)

OR

Que:3 (a). Role of Alkaloids in Taxonomy. (07 Marks)

(c). Dendograms in Numerical Taxonomy. (07 Marks)

Que:4. Explain Herbarium techniques used for Algae and Angiosperms (14 Marks)

OR

Que:4. (a). e-Herbarium in Taxonomy. (07 Marks)

(b). Role of Photography in Plant Identification. (07 Marks)

Que: 5. Give short answer of Following (Any 07 out of 12 each of 02 marks) (14 Marks)

(a). What is Convergent Reticulate Venation? Give Example .

(b). What is Stipules ?

(c). Give full form of ICBN and ICNCP.

(d). Give Two name of Taxonomist Whom Classify Natural Classification System.

(e). Define : Cladistics.

(f). Who wrote Flora of Saurashtra Part 1 & 2.

(g). What is TLS and RLS in Anatomy.

(h). Give two name of Preservation used in Herbarium Techniques.

(i). Give Two examples of Glycosides.

(j). Give Two Botanical Name of plant of Family Acanthaceae.

(k). Give Authentic Size of Herbarium and Glass Slide.

(l). Give Two peculiarities of Hibiscus rosa -sinensis flower reproductive part.

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