

S-1047

Total Pages : 3

Roll No.

BOT-503

Gymnosperms, Taxonomy of Angiosperms and Anatomy

M.Sc. Botany (MSCBOT)

1st Year Examination, 2022 (Dec.)

Time : 2 Hours]

Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. Write a detailed account on distribution of gymnosperms in India.

2. Discuss the angiospermic characters of Gnetales.
3. Give a detailed account of Bentham and Hooker's system of classification.
4. Compare and contrast the embryogeny between Cycadales and Taxales.
5. Explain the vegetative shoot apex in angiosperms.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Write a short note on polyembryony in Pinaceae.
2. Write a short note on International Code of Botanical Nomenclature.
3. Write a short note on important herbaria of the world.
4. Write in brief about various anatomical adaptations exhibited by xerophytes.

5. Write briefly about quiescent centre.
 6. Write short note on porous and non porous wood.
 7. Write a short note on embryological features of taxonomic importance.
 8. Write briefly about anomalous secondary growth in monocots.
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