

**C055**

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## **BOT-503**

**Gymnosperms, Taxonomy of Angiosperms and Anatomy**

M.Sc. BOTANY (MSCBOT)

Ist Year Examination, 2022 (June)

**Time : 2 Hours]**

**Max. Marks : 80**

**Note :** This paper is of Eighty (80) 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 Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

- 1.** Discuss the distribution, morphology and reproductive structure of Coniferales.

2. Write a detail account on fossil gymnosperms and discuss the morphology and reconstruction of *Williamsoniaewardiana*.
3. Write a detailed account of International Code of Botanical Nomenclature.
4. Define Herbarium. Discuss its functions and techniques.
5. What are meristems? Give an account of classification of meristems.

### SECTION-B

#### (Short Answer Type Questions)

**Note :** Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. Write briefly about *in situ* conservation.
2. What are the differences between shoot apex and root apex? Write briefly.
3. Define Biodiversity. Write about the chief causes of threat to biodiversity.
4. What are fibres? Write briefly about their economic importance.

5. Write a short note on different types of parenchyma.
  6. Write briefly about root shoot transition.
  7. Write a short note on anomalous secondary growth in dicotyledonous root.
  8. Write briefly about physical characteristics of wood.
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