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Exam. Code : 210002

Subject Code: 8437

M.Sc. (Botany) Semester—II

EOT C-522: DIVERSITY AND BIOLOGY OF

GYMNOSPERMS

Time Allowed—3 Hours]

[Maximum Marks—50

SECTION-A

- 1. Attempt all parts:
 - (a) Differentiate Gymnosperms from Angiosperms.
 - (b) What is meant by man sylic wood?
 - (c) Name two extant gynnesperms.
 - (d) How Bennettiales differed from Cycadales?
 - (e) Define seed scale complex.
 - (f) Explain leptosporangiate development
 - (g) What is the age of Gymnosperms?
 - (h) Name the Gymnosperm having largest ovide

 $1 \times 8 = 8$

SECTION—B

Note: — Attempt any SEVEN questions.

- 2. Why are gymnosperms called as first seed plants? 3
- 3. Classify the rocks according to chronostratography. 3

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(Contd.)

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4.	Write a brief note on Archaeopterix.	3
5.	Give important features of Cordaitales.	3
6.	Explain the affinities of Ginkgoales.	3
7.	V. rite a note on Welwitschia.	3
8.	Francerate differences between Taxales and Gnetales.	3
9.	Compare the embryogeny of Cycadales and Coniferale	s. 3
10.	Briefly explain the distribution of Gymnosperms in Indi	a. 3
11.	Describe in brief the effinities of Pentoxylaes.	3
	SECTION-C	
	Note: — Attempt any THRFE questions.	
12.	Give a detailed account on recent system of classification of Gymnosperms.	n 7
13.	Discuss in brief morphology, structures and reproduction in Coniferales.	n 7
14.	Describe evolutionary tendencies in reproductive structure of Gymnosperms.	re 7
15.	Give a detailed account of cytology of Gymnosperms	7
16.	Discuss morphology, structure and reproduction Ephedrales.	in 7

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