

Name:

Enrolment No:



End-Semester Examination, December 2025

Program Name: BSC-H (PHYS, CHEM, MATH)

Semester : III

Course Name: Indian Stratigraphy

Time : 3 hrs

Course Code: PEGS2044_4

Max. Marks : 100

Nos. of page(s): 2

Instructions:

Section A have 5 Questions of 4 marks each. All questions are compulsory.

Section B have 4 Questions of 10 marks each, out of which 3 Questions are compulsory and 1 Questions have internal choice to attempt any one.

Section C have 2 Questions of 20 marks each, out of which 1 Question is compulsory and 1 Question have internal choice to attempt any one.

Section A [20 Marks]

S. No.		Marks	CO
Q 1	List various types of biozones and explain the principles of faunal succession.	4	CO1
Q 2	Describe any two important rock formations associated with the Deccan Traps.	4	CO1
Q 3	Briefly describe any two major Cratons of Peninsular India.	4	CO2
Q 4	Differentiate between Infratrappean and Intertrappean beds in the context of the Deccan Traps.	4	CO2
Q 5	State the characteristic plant fossils that defines the Gondwana rocks.	4	CO2

Section B [40 Marks]

Q 6	Discuss the principles of stratigraphy and explain how they form the foundation for geological mapping.	10	CO3
Q 7	Describe the development of a standardized stratigraphic nomenclature at the international level.	10	CO3
Q 8	Describe the characteristic lithology and depositional environment of the Vindhyan Supergroup.	10	CO2
Q 9	Explain the Tertiary stratigraphy of Assam with emphasis on the types of rocks and their economic significance. OR Compare the development of the Extra-peninsular and Peninsular stratigraphy of India.	10	CO3

Section C [40 Marks]

Q 10	(a) Analyze various stratigraphic divisions of India from Precambrian to Recent. (b) Evaluate the significance of the Indo-Gangetic plain in the recent stratigraphic history.	10+10	CO4
Q 11	(a) Describe the stratigraphic classification of Dharwar supergroup. (b) Analyze the Biostratigraphic classification of Gondwana system in India. OR	10+10	CO3

	Elaborate the major physiographic divisions of India as they relate to underlying geological structure. Briefly state the rock types associated with one of them.		
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