


<b>Name:</b>			
<b>Enrolment No:</b>			
<div><div>UPES</div><div>End Semester Examination, May 2025</div><div><div>Course: Stratigraphic Principles and Indian Stratigraphy</div><div>Semester: II</div><div>Program: BSc-H-Geology</div><div>Time : 03 hrs.</div><div>Course Code: PEGS2030</div><div>Max. Marks: 100</div><div>Instructions: All questions are compulsory. Internal choice is available in questions 8 and 11.</div></div></div>			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	State the law of superposition with an example.	4	CO1
Q 2	Illustrate the geological time scale. List its major eras.	4	CO1
Q 3	Define lithostratigraphic correlation and name two methods used.	4	CO1
Q 4	Give a brief account of the Deccan Traps and their geological significance.	4	CO2
Q 5	Describe types of unconformity with neatly drawn sketches.	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q 6	Explain various principles of stratigraphy with suitable examples.	10	CO2
Q 7	Discuss the stratigraphic succession of the Gondwana Supergroup. Highlight its fossil content.	10	CO3
Q 8	Elaborate the different methods of stratigraphic correlation. Give geological examples.  OR In brief define the Vindhyan Supergroup: lithology, fossil content, and economic significance.	10	CO3
Q 9	Compare the stratigraphy of the Peninsular and Extra-Peninsular regions of India.	10	CO2
SECTION-C (2Qx20M=40 Marks)			
Q 10	Discuss the stratigraphy of the Siwalik Group. Explain its significance in understanding the tectonic and climatic evolution of the Himalayas.	20	CO4
Q 11	Describe the fossiliferous stratigraphic successions of Spiti and Kutch. Explain their palaeontological significance.  OR Prepare a detailed stratigraphic framework for the Cuddapah Basin, highlighting its lithology, structure, and economic resources.	20	CO4