



Name:

Enrolment No:

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2023

Course: Stratigraphic Principles and Indian Stratigraphy

Semester: IV

Program: B. Sc. Geology

Time : 03 hrs.

Course Code: PEGS 2030

Max. Marks: 100

Instructions: All questions are compulsory in all the sections; however, internal choice is given in Q 11 (Section C).

SECTION A

(5Q × 4M = 20Marks)

S. No.	Question	Marks	CO
Q 1	List the names of the formations of the Mesozoic succession of Kachchh in the ascending order.	04	CO1
Q 2	Match the following: a. Productus shale i. Bathonian to Callovian b. Umia Formation ii. Triassic of Spiti c. Tropites beds iii. Permian d. Pachcham Formation iv. Trigoniabeds	04	CO2
Q 3	List the economic importance of the Gondwana Supergroup.	04	CO3
Q 4	List the geographic distribution of Deccan Traps.	04	CO1
Q 5	Differentiate between intertrappean and infratrappean beds.	04	CO1

SECTION B

(4Q × 10M = 40 Marks)

Q 6	Explain Precambrian cratons and mobile belts of the peninsular India.	10	CO3
Q 7	Define the subject matter of stratigraphy and its significance.	10	CO2
Q 8	Discuss the stratigraphy of Triassic of Spiti.	10	CO4
Q 9	Explain the distribution of marine Phanerozoic rocks in Himalaya and coastal regions.	10	CO4

SECTION-C

(2Q × 20M = 40 Marks)

Q 10	Illustrate the stratigraphy of India with respect to four basic divisions of geological time scale (i.e., Precambrian, Palaeozoic, Mesozoic and Cenozoic stratigraphy).	20	CO3
Q 11	Critically examine any one of the following on the basis of Lithology, stratigraphy, geological, geographical and structural distribution and other important characteristics.	20	CO4

	a) Gondwana basin b) Vindhyan basin		
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