



Name:

Enrolment No:

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, May 2022**

**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 age range of the Gondwana Supergroup and Deccan traps.	04	CO1
Q 2	Match the following: a. Lower Gondwana Sequence b. Upper Gondwana Sequence c. Raniganj Formation d. Barren Measures Formation	04	CO2
	i. Iron ore ii. Damuda basin iii. <i>Ptilophyllum</i> flora iv. <i>Glossopteris</i> flora		
Q 3	List the economic importance of the Gondwana Supergroup.	04	CO3
Q 4	Describe the geographical distribution of the Deccan Traps.	04	CO1
Q 5	Differentiate between intertrappean and infratrappean beds.	04	CO1

**SECTION B**

**(4Q × 10M = 40 Marks)**

Q 6	Illustrate the concept of Paleogeographic reconstruction	10	CO3
Q 7	Classify the sequence of the Gondwana Supergroup of peninsular India.	10	CO2
Q 8	Evaluate the Precambrian basement of Peninsular India.	10	CO4
Q 9	Define the Physiographic and tectonic subdivisions of India.	10	CO4

**SECTION-C**

**(2Q × 20M = 40 Marks)**

Q 10	Define Deccan Traps. Illustrate the stratigraphy of the Deccan Traps.	20	CO3
Q 11	Critically examine <b>any one</b> of the following on the basis of Lithological and structural distribution and other important characteristics. a) Cuddapah basin b) Vindhyan basin	20	CO4