

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2022

Programme Name: B. Sc Geology [H]

Semester : III

Course Name : Palaeontology

Time : 03 hrs

Course Code : PEGS 2026

Max. Marks : 100

Nos. of page(s) : 02

Instructions:

Attempts all questions. Use neat and labelled diagram to explain answer where is needed.

SECTION A (5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Define Cranidium present in Trilobite.	4M	CO2
Q 2	Describe the stratigraphic principles in geology.	4M	CO1
Q 3	Write short notes on Ostracods	4M	CO3
Q 4	Discuss Evolution of Man	4M	CO3
Q 5	Define micropalaeontology, and give examples.	4M	CO4

SECTION B (4Qx10M= 40 Marks)

Q 6	Describe any two of the following (a) Siwalik vertebrate fauna (b) Geologic time scale (c) Nano fossils and their applications	10M	CO1
Q 7	Discuss the morphology of Radiolaria and geologic ages.	10M	CO3
Q 8	(a) List the application of fossils, (b) Discuss the apical disc in Echinoid	5+5=10	CO3
Q 9	(a) List the systematic positions of some common genera of nautiloids and ammonoids (b) describe their morphological characters	5 M+ 5 M	CO4

SECTION-C (2Qx20M=40 Marks)

Q 10	(a) Analyse the differences between regular and irregular echinoid.	10 M + 10 M	CO3
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	(b) Analyse the importance of microfossils in palaeoclimatic studies		
OR			
Q 10	(a) Explain about the hinge in Lamellibranchia (b) Discuss the hard part morphology of gastropod shell	10+10=20 M	CO4
Q11	(a) Analyse the importance of vertebrate fossils of Siwalik period (b) Elaborate about the plant fossils of Gondwana period and their importance in global geological correlation.	10+10=20 M	CO5

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