



Name:
Enrolment No:

UPES

End Semester Examination, May 2024

Course: Introduction to Geology
Program: B.Tech APE
Course Code: PEGS1015

Semester: II
Time : 03 hrs.
Max. Marks: 100

Instructions: Draw suitable sketch wherever necessary

SECTION A
(5Qx4M=20Marks)

Q 1	Discuss the various types of cleavage in minerals with suitable examples.	04	CO1
Q 2	Define metamorphism & explain the classification of metamorphic rocks	04	CO2
Q 3	Tabulate the features associated with mature stage of River.	04	CO2
Q 4	Discuss the Bi-parental theory of Earth's origin	04	CO1
Q 5	Classify sedimentary rocks in order of their increasing abundance.	04	CO2

SECTION B
(4Qx10M= 40 Marks)

Q 6	Each question carries 02 marks a. Explain frost wedging. b. Discuss properties of mafic minerals c. Tabulate the characteristic property/ ies of Obsidian. d. Define texture in sedimentary rock. e. Co-relate strata, bedding and stratification.	02*5 =10	CO2
Q 7	Deltas are a suitable location for fossil preservation and hydrocarbon prospects. Argue in support/ against with suitable justification.	10	CO3
Q 8	Differentiate between fault and fracture. With neat diagram, classify fault based on net movement.	10	CO4
Q 9	Metamorphism is associated with plate margins/ boundaries. Validate the statement. OR a. Analyze the role of convection current in formation of new lithospheric plate b. Specify the site of formation of new lithospheric plate with suitable argument.	10 05*2 =10	CO3

