


Name:			
Enrolment No:			
<b>UPES</b> <b>End Semester Examination, May 2024</b>			
<b>Course: Sedimentary Petrology</b> <b>Program: B. Sc (Hons) Geology</b> <b>Course Code: PEGS 1011</b>		<b>Semester: II</b> <b>Time : 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions: Answer all questions. However, there is internal choice in Q9, Q10 and Q11</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Define sorting and discuss its significance.	4	CO1
Q 2	What is the difference between matrix and cement?	4	CO1
Q 3	Differentiate between current ripple and wave-formed ripple marks	4	CO2
Q 4	Differentiate between conglomerate and breccia	4	CO3
Q 5	Define the term concretions	4	CO2
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	Explain the bedding structure	10	CO2
Q 7	Describe the components of clastic texture	10	CO3
Q 8	Explain the erosional sedimentary structures	10	CO1
Q 9	Classify the sedimentary rocks on the basis of chemical composition.  OR  Analyse the processes that are involved in the formation of sedimentary rocks.	10	CO3
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q 10	Elaborate the classification of sedimentary rocks based on size and shape of grains.  OR  Evaluate the clastic and non-clastic sedimentary rocks.	20	CO3

Q 11	Explain the classification scheme of limestone based on depositional basin  OR  Explain the classification scheme of sandstone on the basis of relative abundance of rock fragment, matrix, quartz and feldspar	<b>20</b>	<b>CO4</b>
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