


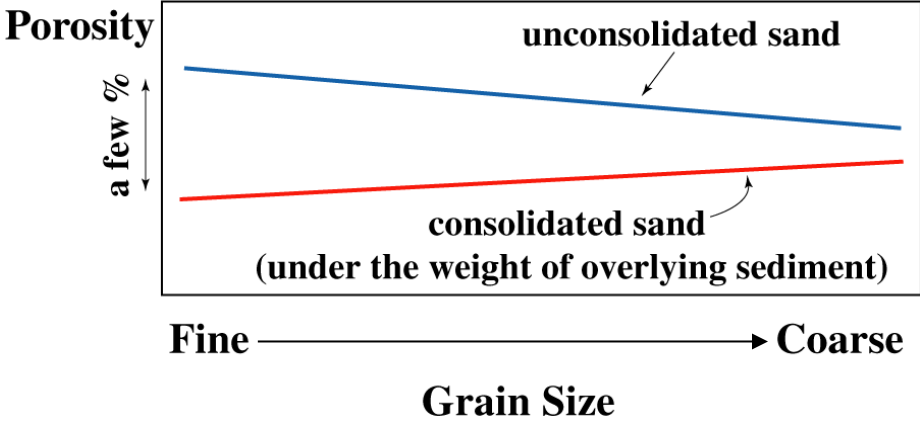
<b>Name:</b> <b>Enrolment No:</b>	
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**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2022**

**Course: Sedimentology and Sequence Stratigraphy**  
**Program: MSc. Petroleum Geoscience**  
**Course Code: PEGS7006**

**Semester: I**  
**Time : 03 hrs.**  
**Max. Marks: 100**

**Instructions: All Questions are compulsory. Internal choice is given in Question No. 7.**

S. No.	Question	Marks	CO
Q 1	Design a classification scheme for Conglomerates.	10	CO1
Q 2	Compare between conditions for replacement, solution activity and recrystallization with examples.	10	CO3
Q 3	<p>You are appointed as a Sedimentologist in a company. A soil survey was conducted over an area somewhere in India. Figure 1 below shows the plot between grain size and porosity. Interpret the data and produce a report</p> <div style="text-align: center;">  <p><b>Figure 1</b></p> </div>	10	CO3
Q 4	Discuss genesis of Important bedforms and Sedimentary structures	10	CO2
Q 5	Explain the formation and evolution of sedimentary basin.	10	CO4
Q 6	Examine characteristics to analyze the rock as Evaporitic sedimentary rocks.	10	CO2
Q 7	<p>Synthesize various sedimentary depositional environments.</p> <p><b>OR</b></p> <p>Critically examine the differences between Deltaic environment and Coastal environment.</p>	20	CO3
8	Review the application of Diagenesis to form a sedimentary rock.	20	CO4