


Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2021

Course: Basin Analysis	Semester: VI
Program: B. Tech Geoscience Engineering [GSE]	Time 03 hrs.
Course Code: PEGS 3018	Max. Marks: 100

SECTION A

1. Each Question will carry 5 Marks
2. Instruction: Complete the statement / Select the correct answer(s)
3. All Questions are compulsory.
4. Type the answers.

S. No.		Marks	CO
Q 1	Define Pull apart basin.	5	CO1
Q 2	Select True/False- i. Backarc basin develop only in Transform plate margin. ii. Rift basin is related to strike slip deformation. iii. Base Level represent only global reference surface. iv. Backtripping methods use for depositional history analysis of any sedimentary basin. v. Porosity has exponential relationship with depth.	5	CO2
Q 3	Write any Five components, which change the primary porosity.	5	CO3
Q 4	Fill in the Blanks- i. Name of two reservoir are..... ii. Any two basins of category I in India are..... iii. Fenestral porosity develop only inRocks. iv. Unit to measure Permeability v. Top set, fore set, and bottom set structures develop inDelta type.	5	CO4
Q 5	Define Isostasy.	5	CO1
Q 6	Give the components of petroleum system.	5	CO2

SECTION B

1. Each question will carry 10 marks.
2. Instruction: Write short / brief notes.
3. Attempt all the Questions.
4. Scan and upload answers.

Q 7	Create the difference between Alluvial fan and Deep sea Deltaic depositional characteristics.	10	CO1
Q 8	Write a short notes on any two: i- Constructive Delta.	10	CO3

