

Name:

Enrolment No:



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

Programme Name: B.Sc Geology (Hons)
Course Name : Earth System Science
Course Code : PEGS 1001
Nos. of page(s) : 2

Semester : I
Time : 03:00 hrs
Max. Marks: 100

Instruction: Your answer script should contain your Name, Roll Number & SAP ID.

SECTION-A (5Q x 4M=20)

Attempt all questions

Sl. No.	Answer in one or two lines (Draw sketches if necessary) (Scan & upload)	Marks	CO
Q1	Define lithosphere and asthenosphere.	4	CO1
Q2	Describe shadow zone of earthquake.	4	CO1
Q3	Differentiate between confined and unconfined aquifer.	4	CO2
Q4	Describe Lithostratigraphic units in proper order.	4	CO4
Q5	Differentiate between eustatic and relative sea level.	4	CO3

SECTION-B (4Q x 10M=40)

Attempt all questions

**Answer in few lines
(Draw sketches if necessary)
(Scan & upload)**

Q6	Describe different reasons of global warming.	10	CO2
Q7	Describe Type Location and Type Area in stratigraphy.	10	CO4
Q8	Describe the following in stratigraphy a. Principle of lateral continuity b. Principle of faunal succession	5+5=10	CO4
Q9	Differentiate between natural spring and artesian spring.	10	CO2

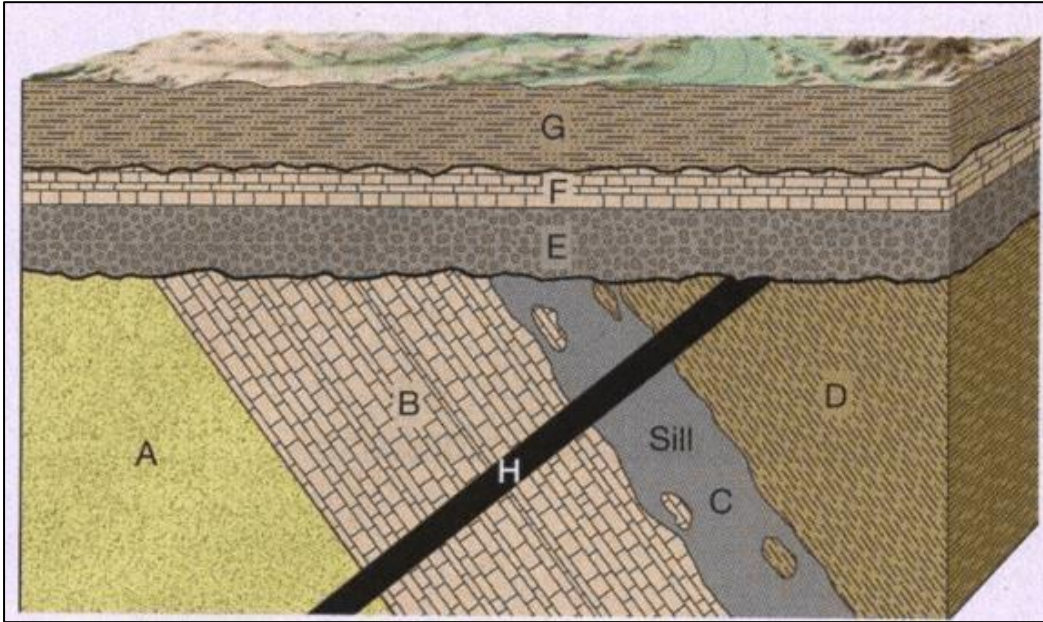
SECTION-C (2Q x 20M=40)

**Attempt all questions
Answer comprehensively
(Draw sketches if necessary)
(Scan & upload)**

Q10	Describe ideal soil profile and distribution of water in it.	20	CO2

Q11

Develop the stratigraphy and chronological order with analogy of following geological events in the figure.



20

CO4