Name:

Enrolment No:



Semester

Max. Marks : 100

Time

: III

: 3 hrs

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, Dec 2022

Program Name	: B.Tech. CSE (All Branches)
Course Name	: Object Oriented Programming
Course Code	: CSEG 2020
Nos. of page(s)	: 01
Instructions	: Answer all the Questions

SECTION A (50x4M=20Marks)

(SQX41VI-201VIALKS)				
Q. No.		Marks	СО	
1 What is the difference between byte and char data types in Java?		4	CO1	
2 Formulate when to use abstract classes and interfaces. (min. 4 usage scenarios each)		4	CO2	
3 How can we rethrow an exception? Demonstrate the use of the finally block.		4	CO3	
4 Contrast the features of the different types of Inner classes.		4	CO4	
5	5 Illustrate the use of different JSP scripting elements.		CO5	
SECTION B				
(4Qx10M= 40 Marks)				
6	What is Overloading? Demonstrate Constructor and Function Overloading with suitable code.	10	CO1	
7 Interpret the use of the 'final' keyword with variables, methods, and classes with relevant code.		10	CO2	
8 Appraise five methods to implement string concatenation with suitable code.		10	CO3	
9	Write a detailed note on thread scheduling.	10	CO4	
SECTION-C (2Qx20M= 40 Marks)				
10	(a) Discuss establishing JDBC Connection in Java. (10 marks)(b) Explain the different types of JDBC drivers. (10 marks)	20	CO4	
11	(a) Sketch and explain the life cycle of a Servlet. (8 marks)(b) Describe the techniques used in Session tracking in Servlets. (12 marks)	20	CO5	