UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2024

Course: Mainframe Transaction Management (CICS) **Semester:** VIII
Program B. Tech (CSE-Mainframe Technology) **Time** : 03 hrs.
Course Code: CSMT4008P **Max. Marks:** 100

Instructions: Attempt all Questions.

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Elaborate the methods to define resources in CICS.	4	CO1
Q2	Briefly explain the CICS File control.	4	CO1
Q3	Explain the difference between using the READ command with INTO option and SET option?	4	CO2
Q4	Specify CICS transaction initiation process.	4	CO3

Q5	What do the following transactions do?
	  I. CEDF
	  II. CEMT
	  III. CEBR
	  IV. CECI
		4	CO3

SECTION B
(4Qx10M= 40 Marks)

Q6	Justify the support of WebSphere optimized local adapters in CICS.	10	CO2, CO3
Q7	Describe in detail CICS TG Desktop Edition. What are the principal modes of operation for the CICS TG.	8+2	CO2, CO3
Q8	State the significance of SOAP messages. Illustrate the structure of a SOAP message.	10	CO4
Q9	Define MDT? Explain three ways the Modified Data Tag can be set on?	10	CO3, CO4

SECTION-C
(2Qx20M=40 Marks)

Q10	a) Explain how to handle exceptional conditions in CICS. b) Explain the various ways data can be passed between CICS programs.	10+10	CO3, CO4

| Q11 | a) What is a data table. Explain various types of data table.
b) Discuss transient data. State the differences between Indirect queues, Intrapartition queues, and Extrapartition queues.

OR

a) Explain the use of pool and entry threads in CICS-DB2
b) Elaborate the components of event processing architecture. Also, define the term "event specification" and "capture specification" | 10+10 | **CO2, CO3, CO4** |