


Name: Enrolment No:		
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online End Semester Examination, December 2020 Course: Mainframe Transaction Management, CICS Semester: V Programme: B.Tech (CSE-Mainframe Technology) Time: 03 hrs. Course Code: CSMT 4001 Max. Marks: 100		
SECTION A 1. Each Question will carry 5 Marks. 2. Instruction: Complete the statement / Select the correct answer(s).		
S. No.		CO
Q 1	Which of the following CICS supplied transaction is used to send messages to one or more destinations? a) CEMT b) CEOT c) CMSG d) CEDB	CO1
Q 2	The CICS transaction CEDF is used to: a) Browse and delete CICS temporary storage queues. b) Supplies the status of CICS and database connection. c) Testing and debugging application programs from terminal. d) Connect and disconnect CICS from DBCTL.	CO1
Q 3	Which of the following statement is false? a) Each CICS region can belong to one CICSplex only. b) A CICSplex cannot include CICS regions running on different z/OS systems in a sysplex. c) A CICS region can be started independently of other CICS regions. d) CICSplex may contain a group of CICS regions that is managed as a single entity.	CO1
Q 4	Which of the following command is used to install the mapset definition in CICS environment? a) CEDA DEF MAPSET(MAPSET_NAME) GROUP(GRP_NAME) b) CEDA INS MAPSET(MAPSET_NAME) GROUP(GRP_NAME) c) CEDA INS MAPSET(MAPSET_NAME) PROG(PROG_NAME) d) CEDA INS MAPSET(MAPSET_NAME) PROG(PROG_NAME) GROUP(GRP_NAME)	CO2
Q 5	Which of the following program-to-program statements does not return to the program issuing the statement? a) CICS XCTL b) CICS LINK c) COBOL static call d) COBOL dynamic call	CO3

Q 6	Which of the following option call a CICS server from a non-CICS program? a) External presentation interface b) External application interface c) External call interface d) None of the above	CO4
SECTION B		
1. Each question will carry 10 marks		
2. Instruction: Write short / brief notes		
Q 7	Differentiate between batch processing and online transaction processing with suitable example.	CO1
Q 8	Discuss the following client-server models in which CICS can involve: Remote data access model, Database access model and Application server model.	CO3
Q 9	Illustrate the components of event processing architecture with suitable example.	CO3
Q 10	State the elements of HTTP request message. Support your answer with suitable examples.	CO4
Q 11	Elaborate the components of web service architecture and the operations involved among those components.	CO4
SECTION-C		
1. Each Question carries 20 Marks.		
2. Instruction: Write long answer.		
Q 12	Create a map to perform arithmetic operations with following description: The map will accept two numbers and an operation code. A field on this map is used to produce the result of mentioned operation on the input numbers. Write a COBOL program having CICS statements to integrate the above defined map definition and perform the arithmetic operations in CICS environment. OR Elaborate the following macros that are used in the Basic Mapping Support (BMS) and their attributes with suitable example: DFHMSD, DFHMDI and DFHMDF. Create a map program that accept the “name” and “age” attributes for a user.	CO2