


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2022			
Course: Fundamental Mainframe System Skills Program: B.Tech. (CSE-CSF, DevOps, GG, AI & ML) Course Code: CSMT3016P		Semester: V Time : 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1.	Describe RAS features of Mainframe.	4	CO1
Q 2.	Explain the use of Parallel Sysplex.	4	CO1
Q 3.	Illustrate different rules for naming z/OS datasets with suitable examples.	4	CO2
Q 4.	Illustrate how to copy and move dataset using ISPF.	4	CO3
Q 5.	i. Write different type of permissions that are used for files and directories in the Linux Operating System. ii. Write command to change the permissions of a file. iii. Write command which will add execute permission to all owners of the file. iv. Write, which number is used for "read" permission in the Linux operating system.	4	CO4
SECTION B (4Qx10M= 40 Marks)			
Q 6.	Compare Batch processing and Online processing with suitable example.	10	CO1
Q 7.	i. Differentiate the uses of PS and PDS with suitable example. (OR) ii. Categorized Z/OS datasets and illustrate the use of them.	10	CO2
Q 8.	Illustrate the Job Entry System (JES) and Initiator. Draw a neat diagram to show the working of JES.	10	CO3
Q 9.	Describe z/OS Unix HFS on z/OS HFS dataset with suitable example.	10	CO4
SECTION-C (2Qx20M=40 Marks)			
Q 10.	i. Describe the different phases of JES2 and draw a neat diagram for the same. ii. Justify the use of JCL in Mainframe and describe the use of EXEC and DD statements with suitable example. (OR)	10 10	CO3

	<ul style="list-style-type: none"> i. Illustrate the requirement of SDSF with suitable example. ii. Exemplify different parameters of DD keyword. 	10 10	
Q 11.	<ul style="list-style-type: none"> i. Illustrate the use of different steps of program preparation under z/OS. ii. Exemplify absolute and relative paths with suitable examples. iii. Write a shell script to perform: <ul style="list-style-type: none"> a. Create a z/OS Unix directory. b. Change the permission on demodir to 755. c. At end clean exit. 	10 5 5	CO4