

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: Virtualization on Mainframe
Program: B.Tech CS with Mainframe Technology

Semester: VIII
Time 03 hrs.
Max. Marks: 100

Course Code:CSIB352

Instructions: Answer ALL the Questions

SECTION A

S. No.		Marks	CO
Q 1	Briefly Discuss the various responsibilities of system programmer	4	CO1,C O2
Q 2	Discuss the various installation techniques for z/VM in first and second level from DVD	4	CO1,C O2
Q 3	Explain the z/VM TCP/IP Four Layer Model	4	CO4
Q 4	Describe the steps involved in Running DISKMAP	4	CO3
Q 5	List out the benefits of Dynamic configuration	4	CO3

SECTION B

Q 6	Explain the SCSI support structure for z/VM with neat diagram	10	CO1,C O2
Q 7	Discuss the importance of Directory profiles and write the syntax's of following statements i. USER ii. IDENTITY iii. INCLUDE iv. BUILD v. VMRELOCATE	10	CO3
Q 8	Discuss the paging and Dispatching process with neat diagrams Or Explain the importance of saved segment and how to create a saved segment	10	CO4
Q 9	Discuss the each statement of following diagram with respect to CP INCLUDE Load and I/O	10	CO5

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SECTION B

Q 6	Explain the SSI cluster and SSI DASD requirements with neat diagrams	10	CO1,C O2
Q 7	Discuss the importance of Directory profiles and write the syntax's of following statements i. IPL ii. MACHINE iii. CPU iv. CONSOLE v. SPOOL	10	CO3
Q 8	Discuss the paging and Dispatching process with neat diagrams Or Explain the importance of saved segment and how to create a saved segment	10	CO4
Q 9	Discuss the each statement of following diagram	10	CO5

<pre> AVGPROC-019% 10 XSTORE-000079/SEC MIGRATE-0000/SEC MDC READS-000010/SEC WRITES-000001/SEC HIT RATIO-075% PAGING-0001/SEC STEAL-000% Q0-00035(00000) DORMANT-00039 Q1-00000(00000) E1-00000(00000) Q2-00000(00000) EXPAN-002 E2-00000(00000) Q3-00003(00000) EXPAN-002 E3-00000(00000) PROC 0000-023% CP PROC 0001-022% CP PROC 0002-021% CP PROC 0003-020% CP PROC 0004-021% IFL PROC 0005-019% IFL PROC 0006-019% IFL PROC 0007-018% IFL PROC 0008-018% IFL PROC 0009-017% IFL </pre>		
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SECTION-C

Q 10	Explain the steps involved in the setting up TCP/IP on z/VM explain in detailed	20	CO4
Q 11	Describe the various DVD installation worksheets in z/VM installation Or Discuss the following terms with neat diagrams i. VMSES/E iii. Group control System ii. HCD and HCM iv. CP & CMS	20	CO1, CO2