

<b>Name:</b>	 <b>UPES</b> UNIVERSITY WITH A PURPOSE
<b>Enrolment No:</b>	

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

**Course:** Linux on Mainframes  
**Program:** B.Tech(CSE+MFT)  
**Course Code:** CSMT-1003

**Semester:** II  
**Time** 03 hrs.  
**Max. Marks:** 100

**Instructions: Attempt all questions.**

**SECTION A**  
**(5\*4=20marks)**

S. No.	Question	Marks	CO
Q 1	Write full forms for the following: a) LVM      b) RPM      c) HMC      d)LDAP	4	CO1, CO3, CO4
Q 2	Define LVM?	4	CO3
Q 3	Define the following two commands: a) X LINUX EXEC      b) vmcp link linux01 100 2100 mr	4	CO1, CO2
Q 4	How to create a physical volume from minidisk?	4	CO3
Q 5	Define a clone image user id for a virtual server?	4	CO2

**SECTION B**  
**(4\*10=40marks)**

Q 6	Discuss the process of verifying the installation of Linux over zvm?	10	CO2
Q 7	How a new add-on product is installed? Explain the steps in detail?	10	CO3
Q 8	Discuss the two ways to update the kernel?	10	CO4
Q 9	Elaborate the Marist installation over zvm? OR Elaborate the Turbo installation over zvm?	10	CO2

**SECTION-C**  
**(2\*20=40marks)**

Q 10	If you want to share files in a heterogeneous environment of machines, operating systems, and networks, which system is preferred? Also describe the process of installing and configuring that system?	20	CO3, CO4
Q 11	Elaborate on five basic functions of RPM? OR The golden image has a default memory size of 512 MB, and it is given class G privilege. It is given two minidisks. To accomplish this, elaborate on the steps to be performed.	20	CO3

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**SECTION A**  
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S. No.	Question	Marks	CO
Q 1	Write full forms for the following: a) CPC      b) DASD      c) PE      d) VG	4	CO1, CO2, CO3, CO4
Q 2	Define RPM?	4	CO3
Q 3	Define the following two commands: a) Pvccreate      b) vmcp link linux01 100 2101 mr	4	CO1, CO2
Q 4	Define the major components of Linux?	4	CO1
Q 5	Mention the steps of FTP server configuration?	4	CO1

**SECTION B**  
**(4\*10=40marks)**

Q 6	Elaborate the process of creating a physical volume from the minidisks?	10	CO3
Q 7	Discuss the process of verifying the installation of Linux under native LPAR?	10	CO2
Q 8	Discuss the two ways to add a new DASD to Linux?	10	CO2
Q 9	How to create physical volumes as well as logical volumes from two DASD's? OR Discuss the Redhat installation over zvm?	10	CO4

**SECTION-C**  
**(2\*20=40 marks)**

Q 10	If you want to transfer files from one host to another host over a TCP-based network, which server you prefer? Describe the process of installing and configuring that server?	20	CO3, CO4
Q 11	Elaborate on five basic functions of RPM? OR The golden image has a default memory size of 512 MB, and it is given class G privilege. It is given two minidisks. To accomplish this, elaborate on the steps to be performed.	20	CO3

