

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Course: Linux on Mainframes
Programme: B.Tech(CSE + MFT)
Time: 03 hrs.

Semester: V
Course Code : CSIB-242
Max. Marks: 100

Instructions: Attempt all questions. Internal choices have been given in question Q8 & Q11

SECTION A
(5*4=20 marks)


S. No.	Question	Marks	CO
Q 1	Write full forms for the following: a. NIC b. DHCP c. LVM d. DASD	4	CO2, CO3, CO4
Q 2	Define clone image?	4	CO2
Q 3	Write the description and syntax of following two commands: a. Adduser b. dasdfmt	4	CO4
Q 4	Define LDAP? How does it work?	4	CO4
Q 5	What are the advantages of running Linux on system z?	4	CO1

SECTION B
(4*10=40 marks)

Q 6	Describe the concepts of LVM?	10	CO2
Q 7	Describe the steps for installing and configuring openLDAP?	10	CO4
Q 8	Describe the steps involved in enabling NFS server? OR Describe the steps involved in installing and configuring RPM?	10	CO3
Q 9	Describe the method of recompiling an application?	10	Co3

SECTION-C
(2*20=40 marks)

Q 10	Suppose you want to install an add-on product on system z with linux. Discuss the steps for installing an add-on product? OR “The new Linux user ID, SLES11S1, will need access to the VSWITCH.” Define VSWITCH and discuss the accessing procedure?	20	CO1, CO2
Q 11	a. While installing linux on system z, suppose you preferred Turbo named linux distribution. Discuss the Turbo installation on system z? (10 marks) b. “Linux on System z exploits the strengths and reliability features of the System z hardware, while preserving the openness and stability of Linux”. Elaborate this sentence?(10 marks)	20	CO1

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Course: Linux on Mainframes
Programme: B.Tech(CSE + MFT)
Time: 03 hrs.

Semester: V
Course Code : CSIB-242
Max. Marks: 100

Instructions: Attempt all questions. Internal choices have been given in question Q8 & Q11

SECTION A
(5*4=20 marks)

S. No.	Question	Marks	CO
Q 1	Write full forms for the following: a. HMC b. CPC c. LVM d. NFS	4	CO1, CO2, CO3
Q 2	What are the advantages of running Linux on system z?	4	CO1
Q 3	Write the description and syntax of following two commands: a. ifconfig b. lastlog	4	CO4
Q 4	"One big advantage of VNC is that it is session oriented". Explain the statement in detail?	4	CO4
Q 5	Define initial Linux system network connection?	4	Co1

SECTION B
(4*10=40 marks)

Q 6	Elaborate the process of adding a new DASD to Linux?	10	CO2
Q 7	"Machine of type ESA with a maximum of four processors that can be defined." Discuss the statement.	10	CO1
Q 8	Describe the concepts of RPM? OR Describe the concepts of LVM?	10	CO2
Q 9	Elaborate the Marist installation on system z?	10	CO1

SECTION-C
(2*20=40 marks)

Q 10	Elaborate the five basic functions of RPM? OR Elaborate the steps for installing and configuring openLDAP?	20	CO2, CO4
Q 11	a. "There are several possible ways to install SLES11 SP1 onto the mainframe." Elaborate these ways of installing SLES11 SP1 onto mainframe? (10 marks) b. "There are three files which we need to transfer for the Linux installation from ftp server to the "A" disk". (10 marks)	20	CO1