Name:	
Enrolment No:	

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

Program/course: B. Tech (CSE+IFM)   **Semester – I**
Subject: IT Infrastructure Landscape Overview   **Max. Marks : 100**
Code   : CSIT 1003   **Duration   : 3 Hrs.**

Instructions: All questions are mandatory

	SECTION A		
S. No.		**Marks**	**CO**
Q 1	Give the differences between switch and router with neat diagrams.	**4 M**	**CO1**
Q 2	Briefly, discuss about RAID technologies with suitable examples?	**4 M**	**CO2**
Q 3	Discuss briefly about hypervisor & their types	**4 M**	**CO1**
Q 4	Analyze briefly about virtualization & its advantages	**4 M**	**CO2**
Q 5	Describe the storage virtualization and their types	**4 M**	**CO3**
	SECTION B		

Q 6	Discuss the following with neat diagrams (2.5M each)
	    I. Directory & Operations & Types
	    II. Naming Model
	    III. Security Model
	    IV. Functional Model
		10 M	**CO4**

Q 7	Briefly, discuss the following with neat diagrams
	        I. LDAP Protocol, (3M)
	        II. LDAP Replication Topologies, (3M)
	        III. LDIF Data Exchange & Format. (4M)
		10 M	**CO2**

Q 8	Explain the following with neat diagrams (2.5M each)
	    I. Network Topologies,
	    II. Switching & Routing
	    III. Firewalls
	    IV. Secure Messaging.
	                        Or
	    I. Write the differences between Rack Server and blade server? 5M
	    II. Briefly, discuss about Server Services with neat Diagrams? 5M
		10 M	**CO3**

Q 9	Discuss the following with neat diagrams
	    I. ZONING (4M)
	    II. FC-Al, (3M)
	    III. FABRIC (3M)
		10 M	**CO 4**

	SECTION-C		

Q 10	Briefly, discuss about VLAN & their types with neat diagrams?
	Or
	Discuss the following, (5M each)
	     I. LOTUS Notes,
	    II. MQSeries,
	   III. E-Mail,
	   IV. FC
		20 M	**CO4**

Q 11	Discuss the following with neat diagrams
	    I. Cryptography & Server Deployment 10M
	    II. Application Servers & Cluster Deployment 10M
		20 M	**CO5**