UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Mid Semester Examination, October 2019

Course: Introduction to Virtualization & Cloud Computing   **Semester:** VII
Program: B.Tech EE Spz. IoT   **Time: 03hrs.**
Course Code: CSIB 274   **Max. Marks: 100**

Instructions: Attempt All Questions

SECTION A

S. No.		Marks	CO
Q 1	Explain the term Virtualization.	4	CO1
Q 2	Describe a Virtual Machine Manager (VMM).	4	CO1
Q 3	Mention the scenarios wherein implementation of Virtualization may turn out to be non-beneficial.	4	CO1 CO2
Q 4	With reference to Cloud Anatomy, discuss the role of the Configuration Management Database (CMDB).	4	CO3
Q 5	In context to history of Cloud Computing; explain the concept of distributed computing.	4	CO1
SECTION B			
Q 6	With reference to internet technologies, illustrate Service Oriented Architecture.	10	CO2
Q 7	Discuss the benefits of Network Virtualization.	10	CO2
Q 8	Describe Orchestration & Service Catalog with reference to Cloud Anatomy.	10	CO3
Q 9	Talking of Cloud Workflows; discuss workloads that are unsuitable for Public Cloud. **OR** In context to Cloud Workflows; explain Production and Non Production Workflows.	10	CO4
SECTION-C			
Q 10	Relating to the concept of Virtualization, illustrate the different types of Server Virtualization.	20	CO2
Q 11	With reference to Cloud Computing; discuss in detail the various delivery models of Cloud Computing. **OR**	20	CO4

	With dealing with Cloud Computing; describe the various deployment models for Cloud Computing in detail.		