UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, July 2020

Course: B. Tech. CSE with IOT & SC   **Semester: VI**
Subject: Cloud Architecture and Deployment Models   **Time: 03 hrs.**
Subject Code: CSVT4004 & CSIB 279   **Max. Marks: 100**
Instructions: The marks for each question are given before.

SECTION A			
S. No.		Marks	CO
Q1	Discuss Server-Less computing and its benefits.	5	CO3
Q2	Discuss Cloud Anatomy.	5	CO1
Q3	Discuss the various features of Cloud Computing	5	CO1
Q4	What is AMI with reference to the AWS cloud? Discuss is job.	5	CO3
SECTION B			
Q5.	List the various components of Classic Data Centre. Explain each of the components with required details and function.	10	CO4
Q6.	Discuss request context and actors involved with the help of a neat diagram. Note refer IAM in AWS public cloud.	10	CO4
Q7. A.	Discuss the primary functions of Cloud Broker with example.	4	CO2

B.	Differentiate between the following –
	    i. Technical / Business Broker
	    ii. Internal / External Broker
		6	

Q8. A.	Discuss Load Balancer.	5	CO3
	Explain different types of load balancers offered by the AWS. the	5	
	Or		
	Explain EC2 and different types of EC2. Discuss the feature of Auto scaling and draw a diagram to represent the same.	10	CO3

SECTION C			
Q9. A.	Explain OpenStack and architectural diagram.	**10**	
B.	Discuss the various key components of open stack.	**10**	**CO5**
Q10.	With reference to the NIST CCRA discuss the following – i. Actors ii. Service Management Layer iii. Cloud Auditor iv. Cloud Career	**20**	**CO2**
OR			
A.	List and discuss the various roles as defined in the IBM CCRA.	**10**	
B.	With the help of neat diagrams, explain the BSS and OSS defined in IBM CCRA.	**10**	**CO2**