

Name:

Enrolment No:



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

Course: Cloud Deployment Model
Program: B.Tech CSE Spz. TI
Course Code: CSIB 378

Semester: VII
Time 03 hrs.
Max. Marks: 100

SECTION A

S. No.		Marks	CO
Q 1	Describe OpenStack along with a conceptual diagram.	4	CO1
Q 2	In context to Nova architecture, explain the concept of Remote Procedure Call (RPC).	4	CO2 CO1
Q 3	Define Hybrid Cloud along with the reasons for its implementation.	4	CO4
Q 4	List key components of OpenStack.	4	CO1
Q 5	With reference to CI/CD based containerization, discuss features of Portability and Adaptability.	4	CO5

SECTION B

Q 6	Illustrate the steps required for building a Private Cloud.	10	CO4
Q 7	With reference to OpenStack; discuss the architecture of Nova.	10	CO2
Q 8	Describe REST API along with its working.	10	CO3
Q 9	Explain the various architectural components of OpenStack Networking Architecture. OR Discuss Sahara along with its workflow diagram.	10	CO3

SECTION-C

Q 10	With reference to Cloud Deployment answer the following: (a) Define SDN (b) SDN Architectural Components (c) Benefits of implementing SDN	[3+10+7]	CO4
Q 11	With reference to Chef answer the following: (a) Define Chef (b) Chef Architectural Components	[3+10+7]	CO5

	<p>(c) Types of Chef Servers</p> <p style="text-align: center;">OR</p> <p>With reference to Containerization answer the following:</p> <ul style="list-style-type: none">(a) Difference between Containerization and Virtualization(b) Discuss the benefits of Containers(c) List four examples of Container Platform Providers	[8+8+4]	
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