Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Third Semester MCA (2 Year) Degree Examination December 2021

Course Code: 20MCA265

Course Name: CLOUD COMPUTING

Max. Marks: 60   Duration: 3 Hours

PART A

Answer all questions, each carries3 marks.   Marks

1	Define cloud computing and its service models.	(3)
2	What are the main components of Neutron architecture? Explain each.	(3)
3	Explain clustering and its types used in OpenStack.	(3)
4	What is the service provided for image management in OpenStack? Explain it.	(3)
5	Write a short note on Cinder block storage service and its components.	(3)
6	What are the approaches available for segregating cloud services?	(3)
7	Write a short note on Neutron plugins and its categorization.	(3)
8	Explain two type of Neutron subnet port connectivity.	(3)
9	Describe HA and its levels in OpenStack.	(3)
10	Differentiate Terraform and Heat in OpenStack orchestration.	(3)

PART B

Answer any one question from each module. Each question carries 6 marks.

Module I

11	Explain OpenStack cloud architecture and any 4 service components.	(6)

OR

12	Explain Nova compute service and its basic components.	(6)

Module II

13	Describe Keystone service and its service providers.	(6)

OR

14	Explain the working of Ansible playbooks.	(6)

Module III

15	Write a comparison about Nova Docker driver and OpenStack Magnum project for hosting an application.	(6)

OR

16	Describe Swift architecture.	(6)

Module IV

17	How to implement virtual network in OpenStack and also explain two categories of implementation.	(6)

OR

18	Explain implementation of network security in OpenStack.	(6)

Module V

19	Explain Heat orchestration in OpenStack.	(6)

OR

20	Describe about HA proxy and its load balancing features.	(6)

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