**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

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|  | **3BC5101** | Roll No. | Total Printed Pages: 2 |
| **3BC5101** |  |
| BCA III Year V-(Main/Back) End Semester Examination, November 2022  **(Cloud)**  **BCT05101 : Cloud Deployment** | |

# Time: **3** Hours. Total Marks: **60**

Min. Passing Marks: **21**

Attempt **five** questions selecting one question from each Unit. There is internal choice from Unit I to Unit V. Marks of each question or its parts are indicated against each question / parts. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Use of following supporting material is permitted during examination for this subject.

# **1.--------------------------Nil--------------------** **2.------------------Nil-----------------------**

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|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | What is Openstack? What are its Architecture and Components? | **(6)** |  |
|  |  |  |  |  |
|  | **(b)** | What is Identity management? Explain in brief | **(6)** |  |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.2** |  | Explain the following: (**any two**) | **(12)** |  |
|  | **(a)** | Keystones, services and endpoints |  |  |
|  | **(b)**  **(c)** | User & tenant in Openstack  RDO installation |  |  |
|  |  |  |  |  |
|  |  | **UNIT-II (CO2)** |  |  |
|  |  |  |  |  |
| **Q.3** | **(a)** | Explain in brief the concept of Image management in terms of openstack? | **(6)** |  |
|  |  |  |  |  |
|  | **(b)** | What is Instance Mangement? how to management its security groups? | **(6)** |  |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.4** |  | Explain the following: (**any two**) | **(12)** |  |
|  | **(a)** | Glance |  |  |
|  | **(b)**  **(c)** | GRE tunnels  Nova |  |  |
|  |  |  |  |  |
|  |  | **UNIT-III (CO3)** |  |  |
|  |  |  |  |  |
| **Q.5** | **(a)** | What is block storage and object storage? | **(8)** |  |
|  |  |  |  |  |
|  | **(b)** | Explain the concept of telemetry? | **(4)** |  |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.6** |  | Explain the following: (**any two**) | **(12)** |  |
|  | **(a)** | Gluster FS setup |  |  |
|  | **(b)**  **(c)** | Cinder and swift  Celiometer |  |  |
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|  |  | **UNIT-IV (CO4)** |  |  |
|  |  |  |  |  |
| **Q.7** | **(a)** | What is orchestration? | **(6)** |  |
|  |  |  |  |  |
|  | **(b)** | What is Horizontally scaling? | **(6)** |  |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.8** |  | Explain the following: (**any two**) | **(12)** |  |
|  | **(a)** | LBaas Setup |  |  |
|  | **(b)**  **(c)** | Load balancing keystone  Web interface |  |  |
|  |  |  |  |  |
|  |  | **UNIT V (CO5)** |  |  |
|  |  |  |  |  |
| **Q.9** | **(a)** | How to Monitoring of Openstack works? | **(6)** |  |
|  |  |  |  |  |
|  | **(b)** | How to use troubleshoot in Openstack? | **(6)** |  |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.10** |  | Explain the following: (**any two**) | **(12)** |  |
|  | **(a)** | Monitoring Network Services |  |  |
|  | **(b)**  **(c)** | Monitoring Control ServicesNova  Monitoring Compute Services |  |  |