**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

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|  | **3BC5150** | Roll No. | Total Printed Pages: 2 |
| **3BC5150** |  |
| BCA III Year V-Semester (Main/Back) End Semester Examination, November 2022  **(Gen.)** | |
| **BCA05108.2 :** **Cloud Technology** | | | |

# 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)** | Explain Cluster Computing and also define the role of clusters in cluster computing? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Explain Distributed Computing also define its advantages and disadvantages? | **(6)** | **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.2** | **(a)** | What are the issues in clusters design explain in detail with example. | **(6)** | **Remember** |
|  |  |  |  |  |
|  | **(b)** | Explain Distributed File System and how distributed file system are work in cluster computing? | **(6)** | **Understand** |
|  |  |  |  |  |
|  |  | **UNIT-II (CO2)** |  |  |
|  |  |  |  |  |
| **Q.3** | **(a)** | Write down all the research possibilities or scope in grid computing in nowadays. | **(6)** | **Create** |
|  |  |  |  |  |
|  | **(b)** | Explain Grid Monitoring Systems with neat diagram? | **(6)** | **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.4** | **(a)** | Define Grid Computing and also write down evolution or generation of Grid Computing. | **(6)** | **Remember** |
|  |  |  |  |  |
|  | **(b)** | What is stand for HPC? Explain Scheduling HPC application in grids. | **(6)** | **Remember** |
|  |  |  |  |  |
|  |  | **UNIT-III (CO3)** |  |  |
|  |  |  |  |  |
| **Q.5** | **(a)** | Explain the term Cloud Computing and give some examples where cloud is used and why? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Write down all the origins of cloud computing with example? | **(6)** | **Remember** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.6** | **(a)** | Write a short note on:  a) Broad network access b) Rapid Elasticity | **(3+3)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Compare or Contrast between cloud providers with traditional IT service providers. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  |  | **UNIT-IV (CO4)** |  |  |
|  |  |  |  |  |
| **Q.7** | **(a)** | Explain the term “PAAS” also explain its features and benefits in cloud computing? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | What are the advantages and disadvantages of cloud computing? | **(6)** | **Remember** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.8** | **(a)** | Explain Cloud deployment model with give examples related to IT industry? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Explain the term “SAAS” and also draw its maturity model with some example? | **(6)** | **Understand** |
|  |  |  |  |  |
|  |  | **UNIT V (CO5)** |  |  |
|  |  |  |  |  |
| **Q.9** | **(a)** | Define the term CloudSim and also explain the working platform for cloudsim? | **(6)** | **Remember** |
|  |  |  |  |  |
|  | **(b)** | Explain the term Green cloud with its diagram and how it is used and where it is used nowadays? | **(6)** | **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.10** | **(a)** | Define the term VMware also write down working of VMware and advantages of it? | **(6)** | **Remember** |
|  |  |  |  |  |
|  | **(b)** | What is the importance of Virtualization and also Explain the different types of Virtualization available? | **(6)** | **Remember** |