**POORNIMA UNIVERSITY, JAIPUR.**

**END SEMESTER EXAMINATION, December 2022**

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|  | **1BC1006** | Roll No. | Total Printed Pages: 1 |
| **1BC1006** |  |
| BCA I Year I- Semester (Main/Back) End Semester Examination, December 2022  **(Cloud)** | |
| **BCTCCA1105 : Fundamentals of 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)** | What is cloud? What are the benefits of cloud computing? | **(6)** | Analyze |
|  | **(b)** | What is Platform as a service? Describe it. | **(6)** | Applying |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | What are the platform used for large scale cloud computing? | **(6)** | Analyze |
|  | **(b)** | What are the different models for deployment in the cloud computing? | **(6)** | Applying |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | Give some example of large cloud provider and database? What is the difference between cloud and traditional datacenters? | **(6)** | Applying |
|  | **(b)** | What are the different datacenters in cloud computing? | **(6)** | Applying |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | Give the best example of open source cloud computing. | **(6)** | Applying |
|  | **(b)** | Mention the different types of models used for deployment in cloud computing. | **(6)** | Applying |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** | **(a)** | Virtualization system is the popular in present scenario. How we perform the virtualization? Define type 1 hypervisor with suitable example and specific diagram | **(6)** | Applying |
|  | **(b)** | Virtualization is the key of cloud scenario. What do you mean by virtualization? Define type 2 hypervisor with suitable example and diagram. | **(6)** | Analyze |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | Cloud services is the backbone of AWS. Define and explain the three basic type of cloud services and the AWS products that are built based on them? | **(6)** | Analyze |
|  | **(b)** | AWS is the giant of cloud provider company. Define and describe any one service of AWS | **(6)** | Analyze |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** | **(a)** | Cloud storage is one of the powerful services of virtualization. Define it with their suitable example | **(6)** | Analyze |
|  | **(b)** | Describe the security in cloud computing. Why is cloud security important? | **(6)** | Applying |
|  |  | **OR** |  |  |
| **Q.8** | **(a)** | Define the importance of cloud security and also define the cloud security services. | **(6)** | Applying |
|  | **(b)** | State the impact of cloud on IT service management? Describe it also. | **(6)** | Applying |
|  |  | **UNIT V (CO5)** |  |  |
| **Q.9** | **(a)** | What are the precautions that a user must consider before going for cloud computing? | **(6)** | Applying |
|  | **(b)** | What are the benefits that can be derived from cloud architecture? | **(6)** | Analyze |
|  |  | **OR** |  |  |
| **Q.10** | **(a)** | What is the Hypervisor in cloud computing? Describe it. | **(6)** | Analyze |
|  | **(b)** | It is said, “cloud computing can save money” Justify it. | **(6)** | Analyze |