**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

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|  | **3BT5221** | Roll No. | Total Printed Pages: 1 |
| **3BT5221** |  |
| B. Tech. III Year V-Semester (Main/Back) End Semester Examination, November 2022  **(CC)** | |
| **BCC05103 : Virtualization & 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 Pros & Cons of Cloud Computing? | **(6)** | **M** |
|  |  |  |  |  |
|  | **(b)** | Explain Cloud Computing Models? | **(6)** | **M** |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | Explain Different types of Cloud? | **(6)** | **M** |
|  |  |  |  |  |
|  | **(b)** | Describe any two type Cloud Computing Service Companies? | **(6)** | **T** |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | Explain Virtualization, and what is the need of virtualization? | **(6)** | **M** |
|  |  |  |  |  |
|  | **(b)** | Describe virtualization in Current IT scenario? | **(6)** | **T** |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | Describe Server Virtualization? | **(6)** | **M** |
|  |  |  |  |  |
|  | **(b)** | Explain need of virtualization in Current Industry? | **(6)** | **M** |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** | **(a)** | Explain Hypervisor and its type? | **(6)** | **M** |
|  |  |  |  |  |
|  | **(b)** | Describe storage virtualization? | **(6)** | **T** |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | Describe Characteristics, using a hypervisor in virtualization? | **(6)** | **T** |
|  |  |  |  |  |
|  | **(b)** | Explain need of hypervisor in Virtualization? | **(6)** | **M** |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** | **(a)** | What is VDI? | **(6)** | **T** |
|  |  |  |  |  |
|  | **(b)** | Describe Different types of Hypervisor management application. | **(6)** | **M** |
|  |  | **OR** |  |  |
| **Q.8** | **(a)** | Describe Benefits of VDI? | **(6)** | **M** |
|  |  |  |  |  |
|  | **(b)** | Write a short note on Virtual Machine? | **(6)** | **M** |
|  |  | **UNIT V (CO5)** |  |  |
| **Q.9** | **(a)** | Explain Cost cutting and cost-benefit analysis with example? | **(6)** | **T** |
|  |  |  |  |  |
|  | **(b)** | Explain Best Practices used in selection of Cloud service and providers, | **(6)** | **M** |
|  |  | **OR** |  |  |
| **Q.10** | **(a)** | Describe Interoperability, Portability, Integration, Security in Cloud Computing | **(6)** | **T** |
|  |  |  |  |  |
|  | **(b)** | Describe Cloud Computing Standards? | **(6)** | **M** |