**POORNIMA UNIVERSITY, JAIPUR.**

**END SEMESTER EXAMINATION, November 2022**

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|  | **5BT3160** | Roll No. | Total Printed Pages: 2 |
| **5BT3160** |  |
| B. Tech. V (CE), BCA (Gen.)- Semester (Back) End Semester Examination, November 2022 | |
| **BCE05108 / 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)** | Design and justify the requirements for design and implementation of types of cloud with supply chain management as case study | **(6)** | Evaluate | |
|  |  |  | | |  |
|  | **(b)** | Explain five essential characteristics of Cloud along with suitable example. | **(6)** | Remember | |
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|  |  | **OR** |  |  | |
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| **Q.2** | **(a)** | Deploying all the resources in the cloud is a security risk. What vulnerabilities are there in using cloud services? What problems one may face, explain in detail. | **(6)** | Evaluate | |
|  |  |  |  |  | |
|  | **(b)** | Draw and explain the cloud architecture to make a layman understand it in a better way. Explain | **(6)** | Create | |
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|  |  | **UNIT-II (CO2)** |  |  | |
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| **Q.3** | **(a)** | **What are the Basic Structures Of The Amazon Ec2 Service?** | **(6)** | Create | |
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|  | **(b)** | When a company decides to move its one or more IT services to the cloud, it incurs many benefits. However, not all cloud service providers operate equally, and we need to look for certain attributes when evaluating before migrating IT services to the cloud. So being an Expert what attributes you identify in a Cloud. Explain. | **(6)** | Analyse | |
|  |  |  |  |  | |
|  |  | **OR** |  |  | |
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| **Q.4** | **(a)** | Being an IT Administrator in an Organization, which is working on a Resource Hogging project which requires a lot of resources, what cloud Delivery model you would suggest your company to opt for cutting cost and management of resources? Explain with valid reasons. | **(6)** | Evaluate | |
|  |  |  |  |  | |
|  | **(b)** | **What is the size limit for Amazon Ec2 instance store-backed Amis And Amazon Ebs-backed Amis?**. | **(6)** | Understand | |
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|  |  | **UNIT-III (CO3)** |  |  | |
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| **Q.5** | **(a)** | Being a Cloud user what benefits you can think of using Cloud Platform as compare to Hosted or on premises Solutions? Explain. | **(6)** | Evaluate | |
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|  | **(b)** | Describe SQS (Amazon simple queue service) and define functionality of SQS. | **(6)** | Analyse | |
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|  |  | **OR** |  |  | |
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| **Q.6** | **(a)** | Suppose you are working as an IT Admin who handles all the IT resources and access in the company. Your company deals in Clothes and Antique showroom accessories. Therefore, on festival season, It is noted that due to high request rate the app and website are slows down. What would be your suggestion to manage this task in cost effective manner, because in regular time the traffic is normal towards website. | **(6)** | Create | |
|  |  |  |  |  | |
|  | **(b)** | Write a short note on Data Privacy and Protection Law. | **(6)** | Create | |
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|  |  | **UNIT-IV (CO4)** |  |  | |
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| **Q.7** | **(a)** | There are 5 dimensions of cloud governance life cycle model. List all of them and generate a table of all the corresponding activities related to all the dimensions. | **(6)** | Evaluate | |
|  |  |  |  |  | |
|  | **(b)** | Cloud Governance is an important aspect in off premises resources. So, enlist various organizations which are working towards governance along with its need in detail. | **(6)** | Understand | |
|  |  |  |  |  | |
|  |  | **OR** |  |  | |
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| **Q.8** | **(a)** | What are the steps involved in Cloud Governance in any Enterprise? Explain with the help of suitable diagram. | **(6)** | Analyse | |
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|  | **(b)** | Take a scenario in to consideration where you are running your business in India and have launched an application of your choice on Cloud Platform. Also taking the Indian scenario of interdependence and Governance into the account, explain the problems that can come occur in your Cloud Hosted Application. | **(6)** | Apply | |
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|  |  | **UNIT V (CO5)** |  |  | |
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| **Q.9** | **(a)** | What impact has Cloud put on the Entertainment nowadays? How the ways are changed in this scenario and explain which Cloud which services are being used? | **(6)** | Apply | |
|  |  |  |  |  | |
|  | **(b)** | Elaborate the best practices need to be follow before migrating into the Cloud in detail. | **(6)** | Analyse | |
|  |  |  |  |  | |
|  |  | **OR** |  |  | |
|  |  |  |  |  | |
| **Q.10** | **(a)** | Being a Cloud domain student, what do you think what are the various career opportunities for individual in cloud whether front end or Back-end tasks. | **(6)** | Apply | |
|  |  |  |  |  | |
|  | **(b)** | Enlist and elaborate the applications of Cloud Computing in Healthcare, Education. How cloud has changed the complete scenario in the mentioned domains. | **(6)** | Analyse | |