## BCA (IT-IMS & Cloud Computing) II () - IV (Main/Back) End Semester Examination, April 2024
### BCTCCA4103: Cloud Web Services

**Time:** 3 Hours          **Total Marks:** 60          **Min. Passing Marks:** 21/24/27          **Question Paper ID:** 000774

**Instructions:** Attempt all five questions. There is an internal choice either (a or b) in Q1 to Q5. Marks of each question or its parts are indicated against each question/part. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

**Bloom Level(BL):** 1-Remembering, 2-Understanding, 3-Applying, 4-Analysing, 5-Evaluating, 6-Creating

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

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|  |  |  | Marks | BL | CO |
|---|---|---|---|---|---|
| **Q1.** | **(a)** | (i) Explain Cloud Service Delivery Models? **(6marks)**<br>(ii) Explain AWS Storage Options in Detail? **(6marks)**<br>**(OR)** | 12 | 1 | 1 |
|  | **(b)** | (i) Explain Deployment Models in Detail? **(6 marks)**<br>(ii) Define:- **(6 marks)**<br>1: VPC<br>2: EBS<br>3: AWS |  |  |  |
| **Q2.** | **(a)** | (i) Explain Instances Types in Detail? **(6 marks)**<br>(ii) What is AMI. And How to create AMI of Running Instance? **(6 marks)**<br>**(OR)** | 12 | 1 | 2 |
|  | **(b)** | (i) What is EC2. And Explain Services of EC2? **(6 marks)**<br>(ii) What is Instance Storage and Explain Advantage and Disadvantage? **(6 marks)** |  |  |  |
| **Q3.** | **(a)** | (i) What is CloudWatch. Explain the Alarms and Metrics in cloudwatch? **(6 marks)**<br>(ii) Explain Features of Elastic Beanstalk? **(6 marks)**<br>**(OR)** | 12 | 1 | 3 |
|  | **(b)** | (i) What is SNS and Explain Clients of SNS in AWS messaging services? **(6 marks)**<br>(ii) Explain SNS, SQS, SES in AWS? **(6 marks)** |  |  |  |
| **Q4.** | **(a)** | (i) What is AWS Directory Service in AWS and also explain the types of Directory services used in AWS? **(6 marks)**<br>(ii) What is IAM in AWS and Explain the IAM Identities in the IAM service? **(6 marks)**<br>**(OR)** | 12 | 1 | 4 |
|  | **(b)** | (i) What is AWS Security. Explain the Security Options in the AWS? **(6 marks)**<br>(ii) What is Key Management Service and Why we use .pem Extension in the EC2 instance? **(6 marks)** |  |  |  |
| **Q5.** | **(a)** | (i) What is RDS and Explain Advantages and Disadvantages of RDS in AWS? **(6 marks)**<br>(ii) What is S3 and Explain Bucket and Object in S3? **(6 marks)**<br>**(OR)** | 12 | 1 | 5 |
|  | **(b)** | (i) What is EBS and How to Attach Volume in Existing EC2 instance in AWS? **(6 marks)**<br>(ii) Define:- **(6 marks)**<br>1- Dynamo DB<br>2- S3 Glacier |  |  |  |

### ***End of Question Paper***