



School of Computer Science and Engineering

Fall Semester 2024-25

CAT I

SLOT: F2

Programme Name & Branch: B.Tech - CSE

Course Name & Code: AWS Solutions Architect (BCSE355L)

Exam Duration: 90 Min.

Maximum Marks: 50

General instruction(s): No tables and no calculators are needed

Q. No.	Question	Max Marks	CO	BL
1.	Consider that your organization planned to set up their own datacenter on their premises. As a technical lead manager, you are suggesting an AWS based cloud solution. Prepare a detailed report to your CEO which contains on-premise challenges along with the advantages of AWS based cloud solutions by considering all the necessary key factors.	10	CO1	BL4
2.	With the step by step process, demonstrate the configuration of IAM user, roles, group and policy with sample information.	10	CO1	BL4
3.	Your organization opting for AWS cloud solution and you are assigned to create computer services. Explore the nine steps involved in the configuration of EC2 based compute services in AWS with appropriate instance type that suits to build and deploy web applications on the cloud.	10	CO1	BL3
4.	Consider your organization has chosen S3 based storage in AWS. Explain various S3 storage classes and illustrate the configuration steps for any one of the S3 storage classes.	10	CO1	BL3
5.	Consider that you are an AWS solution architect. One of your clients needs a few explanations of AWS resources. They raised the following questions. Provide valuable answers with necessary technical facts. a) What is meant by 11 9's durability? (2 Marks) b) How EFS is better than EBS? (3 Marks) c) If a customer wants to terminate the running EC2 instance which is already attached with EBS data volume and then wants to recreate an instance in another region loaded with the same data. Provide appropriate solution for the customer without losing the data (5 Marks)	10	CO1	BL2