



MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC & Affiliated to Anna University)

Rasipuram - 637 408, Namakkal Dist., Tamil Nadu.

Department of Computer Science and Engineering Question Bank - Academic Year (2021-22)

Course Code & Course Name : 19CSC18 & Cloud Computing
Name of the Faculty : Dr.N.Naveenkumar,M.Azhagesan
Year/Sem/Sec : III / V / A&B

Unit I : Cloud Concepts

Part-A (2 Marks)

1. What is cloud computing?
2. What is autonomic computing?
3. What are the types in cloud services?
4. State any two service provider of SaaS.
5. What is business on demand?
6. What is Google app engine?
7. What are the three basic pricing concepts?
8. What are the economic benefits of the cloud?
9. How many AWS services are global?
10. What infrastructure does AWS use?

Part-B (16 Marks)

- 1) State any three essential characteristics of cloud computing (16)
- 2) Explain briefly about cloud delivery model. (16)
- 3) Explain in detail Fundamentals of Pricing. (16)
- 4) Describe in detail about the AWS Global Infrastructure. (16)
- 5) Write short notes on
 - a) Cloud Adoption Framework. (8)
 - b) Cloud Economics (8)

Unit II: AWS Core Services

Part-A (2 Marks)

1. Define Amazon EC2.
2. What is Job Monitoring?
3. Which type of cloud service model is used in Amazon Elastic Compute Cloud EC2?
4. What type of cloud computing is Amazon EC2?
5. What cloud model is EC2?

6. How does elastic block storage work?
7. What is Amazon Elastic Block structure?
8. Does Amazon provide private cloud?
9. What is meant by virtual private cloud?
10. What is Elastic Load Balancing?

Part-B (16 Marks)

11. Explain briefly about Amazon Elastic Compute Cloud. (16)
12. Describe in detail about the Amazon Simple Storage Service. (16)
13. Write short notes on
 - a) Amazon Simple Storage Service (8)
 - b) Amazon Virtual Private Cloud (8)
14. Write short notes on
 - a) Amazon Elastic Block Store (8)
 - b) Amazon Elastic File System (8)
15. Write short notes on
 - a) Relational Database Service (8)
 - b) Elastic Load Balancing (8)

Unit III : Cloud Security

Part-A (2 Marks)

1. What is cloud security?
2. List out benefits of cloud services
3. In what are areas AWS Shared Responsibility Model be implemented?
4. In the shared responsibility model, why does AWS have responsibility for storage?
5. Why is there so much misunderstanding of the AWS security model?
6. What is the IAM role in AWS
7. Define IAM and its purpose?
8. Enumerate the key features of AWS IAM
9. What are the IAM tools?
10. List out the important components of IAM?

Part-B (16 Marks)

- 1) Define AWS Shared Responsibility. Explain its model with brief. (16)
- 2) What is AWS IAM, why is considered as one of the cloud security with other. (16)
- 3) Explain about AWS Cloud Trial and the action taken to implement. (16)
- 4) Discuss short notes on AWS security, Identity and its compliances. (16)
- 5) Explain about AWS Configuration. (16)

Unit IV: Cloud Architecting

Part-A (2 Marks)

1. What is a Cloud Architect?
2. What are the 5 pillars of AWS well-architected framework?
3. What framework does AWS use?
4. What specific skills should a successful cloud architect have?
5. Why become a Cloud Architect?
6. What does exactly Cloud Architect do?
7. Differentiate DevOps role and Cloud Architect (AWS).
8. Benefits of AWS Security.
9. How many types of security are there in AWS?
10. Which AWS certification is best for security?

Part-B (16 Marks)

- 1) Briefly explain about Cloud Architect and its projected implemented for certification. (16)
- 2) How to become a cloud architect? And list the key skills needed to become cloud architects? (16)
- 3) Elaborate AWS Well Architecture framework with its pillars. (16)
- 4) Briefly explain about Well-Architected Design (16)
- 5) Detailed notes on Cloud Architect Reliability and High Availability (16)

Unit V: Cloud Support

Part-A (2 Marks)

1. What are AWS organizations Unit?
2. What are the benefits of AWS organizations?
3. How many types of accounts are in AWS?
4. What is AWS config?
5. What is AWS Cost Explorer?
6. How are AWS rates calculated?
7. What is the difference between AWS budgets vs AWS Cost Explorer?
8. List out AWS Organizations features
9. What is Microsoft Azure and how it works?
10. What is Microsoft Azure vs AWS?
11. What is Microsoft Azure and why is it used?
12. What are the 4 support plans offered by AWS support?

Part-B (16 Marks)

- 1) Detailed notes on Amazon Web Services Support Plans. (16)
- 2) Discuss in detail about AWS Organization and its features. (16)

- 3) Write short notes on how to monitor the usage and cost of AWS using cost Explorer. (16)
- 4) Compare IaaS vs. PaaS options on AWS, Azure and Google Cloud Platform. (16)
- 5) Detailed notes on Google app Engine. (16)

Course Faculty

HoD