QUESTION BANK

Unit 1

1. Explain the components of cloud computing.

2. What are the types of Cloud Computing Services?

3. Explain about Cloud Computing Architecture and its Components.

4. List out benefits of Cloud computing and describe each of them

5. What are the main advantages of cloud computing?

6. Describe consumption-based model.

7. What are the types of cloud model?

8. Define the differences between Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).

9.Describe public, private, community and hybrid clouds with its advantages and disadvantages?

10 .Explgain shared responsibility model.

11. Describe in short High Availability

12.Describe scalability and types of Scalability.

13. Differentiate between regions and Availability Zones.

Unit 2

1. What is Serverless Computing? List an example of serverless computing service in Azure.

2. What is an Azure Subscription? Mention types of Subscriptions, Management Groups, Resource Groups and Resources in Azure.

3. What is Azure Blob Storage used for?

4. What is the difference between Azure Blob Storage and Azure File Storage?

5. What are azure containers?

6..What is Azure App Service?

7.Explain about LRS, GRS, ZRS and RA-GRS with appropriate Figure.

8.What is Azure Virtual Networking

9. What is Azure SQL Database?

10.Explain about SQL Database elastic pool and SQL Managed Instance Pool.

11. List and Explain various Redundancy/Replication options available in Azure Storage Service.

12. List out most common use cases of Azure Functions.

Unit 3

1. Describe Azure Active Directory and its various features including RBAC, MFA and SSO.

2. Write a brief note on Authentication and Authorization

3. Explain briefly about SSO and Multifactor Authentication

4. Describe Azure Authentication methods.

5. What is Single Sign –On?

6. What is Multi-Factor Authentication?

7. What is RBAC?

8. How does RBAC works?

9. How does Azure AD provide single sign-on (SSO) capabilities?

10. What is multi-factor authentication (MFA) and its importance in Azure?

11. What is Azure AD? Explain different edition of Azure AD?

12. Explain the concept of Azure B2B and B2C.

13. Define Azure Zero trust model.

14. Explain defense in depth.

15. What is difference between Azure Firewall and NSG?

Unit 4.

1. What is the Azure Pricing Calculator, and how can it assist in estimating costs?

2. what is azure cost management?Explain its features and functionalities.

3. Describe Azure's deprecation policies and their impact on services and users.

4.Describe the different Azure subscription options available

5. Describe About Pricing calculator and TCO Calculator.

6. What are cost management factors are their in azure.

7. Explain azure support options.

8. What is Cost Management Capabilities in Azure and Describe about Budget Alerts, Credit Alerts and Department Spending Quota Alerts..

9. What are the Factors that affect cost in Azure ?

Unit 5.

1. What is the Purpose of Azure Advisor.

2. Describe Service Lifecycles in Cloud Computing.

3. Define Azure Service Level Agreements (SLAs) and explain their significance for businesses.

4. What is composite SLA?

5.Descibe azure service health.