

(2½ Hours)

[Total Marks: 75]

- N. B.: (1) All questions are compulsory.
(2) Make suitable assumptions wherever necessary and state the assumptions made.
(3) Answers to the same question must be written together.
(4) Numbers to the right indicate marks.
(5) Draw neat labelled diagrams wherever necessary.
(6) Use of Non-programmable calculators is allowed.

Q1. Attempt any the three of the following.

15 Marks

- What is Cloud Computing? Write down innovative characteristics of cloud computing.
- What are the different challenges and threads occur in cloud computing.
- Discuss the architecture of Hyper-V. Discuss its use in cloud computing.
- What is virtualization? Write down the characteristics of Virtualization.
- Differentiate between parallel and distributed computing.

Q2. Attempt any the three of the following.

15 Marks

- What are the Characteristics of cloud computing?
- What is Microsoft Azure? Write down different administrations for its cloud innovation.
- Write down the elements of Microsoft Azure.What is the access control of MS cloud ?
- Write down Segment and Web Services of AWS.
- What are the roles and boundaries of cloud computing?

Q3. Attempt any the three of the following.

15 Marks

- Explain Remote administration system. What are the two portals create by remote administration system?
- What is resource Management? What are the tasks that are typically automated and implemented through the resource management system
- What is encryption. Explain it's types.
- What is failover system? Explain its types in detail.
- Discuss the case study on DTGOV. Explain in detail

Q4. Attempt any the three of the following.

15 Marks

- Explain Elastic Disk Provisioning Architecture in detail.
- Write short note on Non-disruptive service Relocation cloud Architecture model.
- Explain Rapid Provisioning Architecture in detail.
- Explain Redundant storage Architecture in detail.
- Explain the cloud balancing Architecture.

Q5. Attempt any the three of the following.

15 Marks

- What are the common capabilities of the IaaS platform involve in monitoring?
- What are the different guidelines for service –level agreements?
- Explain prising model in cost Management.
- How different cloud service lifecycle stages are related to cost?
- How we work with IaaS environment? Explain with example.