

**KADI SARVA VISHWAVIDYALAYA**  
**BE SEMESTER-VII ATKT Examination APRIL-2025**

**Subject Name: Cloud Computing****Subject Code: IT704D-N****Date: 02/04/2025****Time: 12:30pm to 03:30pm****Total Marks: 70****Instructions:**

1. Answer each section in separate answer sheet.
2. Use of scientific calculator is permitted.
3. All questions are **Compulsory**.
4. Indicate clearly, the option you attempt along with its respective question number.
5. Use the last page of main supplementary of **rough work**.

**Section-I**

- Q-1 (A) Explain cloud service models in detail. [5]
- (B) Draw and Explain Seven-Step Model of Migration into a Cloud. [5]
- (C) List out and explain Various challenges and risks involved in the usage of cloud computing. [5]

**OR**

- (C) Explain Desired Features of a Cloud. [5]

- Q-2 (A) Explain the Evolution of SaaS. [5]
- (B) Issues for Enterprise Applications on the Cloud. [5]

**OR**

- (A) Explain SaaS Integration products and platforms in details. [5]
- (B) Write a short note on: Transition Challenges. [5]

- Q-3 (A) Explain Virtual Machine Migration Services in details [5]
- (B) Explain Cloud Supply Chain(C-SC) in details. [5]

**OR**

- (A) Draw and explain VM Networking model in detail. [5]
- (B) ~~Write a short note on: Transition Challenges.~~ [5]

State the different types of Data security technologies used in cloud computing.

## Section-II

- Q-4 (A) Describe scheduling techniques used for advance reservation of capacity in cloud environments. [5]
- (B) List out and Explain Existing Commercial Cloud Services. [5]
- (C) Explain service level agreement (SLA) in cloud computing with example. [5]

OR

- (C) Explain Infrastructure SLAs. [5]

- Q-5 (A) Explain Various Steps of VM Provisioning Process. [5]
- (B) Draw a system architecture of database outsourcing and explain Database Outsourcing and Query Integrity Assurance. [5]

OR

- (A) Explain T-Systems in details. [5]
- (B) What are security vulnerabilities of the public cloud platform? How does Amazon cloud handle security issues? [5]

- Q-6 (A) Explain Comet Cloud Architecture in brief. [5]
- (B) Describe the key features and architecture of the Aneka Cloud Platform and its role in cloud computing. [5]

OR

- (A) Which Tools are used for Utilizing Clouds in Workflow Management System? Discuss in details with diagram. [5]
- (B) Discuss Evolutionary Multi-Objective Optimization (EMO) in details. [5]

----- All the Best -----