Atal Bihari Vajpayee Indian Institute of Information Technology & Management, Gwalior

IT401: Cloud Computing

Minor Examination (Session 2024–25)

Maximum Time: 1.5 Hours Max Marks: 25

Note: Attempt all questions. Accuracy in diagrams and examples is essential.

- 1. Explain the difference between horizontal and vertical scaling in cloud systems with an example. (5 Marks)
- 2. Assume a cloud provider charges 2 per GB/month for storage. (a) Calculate the monthly bill for 2 TB storage. (b) Discuss why cloud providers prefer "pay-as-yougo" billing.

 (5 Marks)
- 3. With the help of a neat diagram, explain cloud reference architecture. (5 Marks)
- 4. Compare server virtualization and containerization. State where each is more effective.

 (5 Marks)
- 5. Write short notes on: (a) Cloud elasticity (b) Federated cloud systems (5 Marks)