

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

IT401: Cloud Computing

Minor Examination (Session 2023–24)

Maximum Time: 1 Hour

Max Marks: 25

Note: Answer all questions. Diagrams/figures may be used where necessary.

1. **MCQs (1 mark each)** (a) Which of the following is **not** a cloud service model?
(i) SaaS (ii) PaaS (iii) IaaS (iv) OaaS
(b) Amazon EC2 is an example of: (i) SaaS (ii) IaaS (iii) PaaS (iv) DBaaS
(c) Virtualization in cloud is mainly used for: (i) Scalability (ii) Isolation (iii) Resource sharing (iv) All of these
2. **True/False (1 mark each, justify briefly)** (a) Cloud elasticity refers to the ability of resources to scale up and down dynamically. (b) In public cloud, infrastructure is owned and operated exclusively for one organization.
3. Differentiate between **public cloud** and **private cloud** with suitable examples. (4 Marks)
4. Explain with diagram the architecture of **Virtual Machine Monitor (VMM)**. (5 Marks)
5. Write short notes (any two): (a) Cloud deployment models (b) Multi-tenancy (c) Benefits and risks of cloud computing (8 Marks)