

# P P SAVANI UNIVERSITY

Seventh Semester of B. Tech. Examination

December 2021

SECE4022 Cloud Computing & Applications

08.12.2021, Wednesday

Time: 09:00 a.m. To 11:30 a.m.

Maximum Marks: 60

## Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

## SECTION - I

- Q - 1** Attempt any five. [05]
- (i) Define utility computing in terms of cloud computing?
- (ii) Type 1 hypervisor runs directly on host hardware. True/False
- (iii) Virtualization is vital for creating cloud computing resources. Justify?
- (iv) What is hypervisor?
- (v) The \_\_\_\_\_ cloud infrastructure is operated for the exclusive use of an organization.
- (vi) Which of the following provides development environment to developer?
1. IAAS
  2. PAAS
  3. SAAS
  4. None of Above
- (vii) Define elasticity, scalability in terms of cloud computing?
- Q - 2 (a)** Explain advantages and disadvantages of cloud computing. [05]
- Q - 2 (b)** Differentiate public Cloud and private Cloud. [05]
- OR**
- Q - 2 (a)** Explain cloud service model. [05]
- Q - 2 (b)** Explain the advantages of Hybrid Cloud. [05]
- Q - 3 (a)** Explain full virtualization and para virtualization. [05]
- Q - 3 (b)** Explain Identity as a Service and Compliance as a Service. [05]
- OR**
- Q - 3 (a)** Explain the VM live migration process. [05]
- Q - 3 (b)** Explain the Inter-cloud resource management. [05]
- Q - 4** Attempt any one. [05]
- (i) Explain OS level virtualization.
- (ii) Explain demand-driven and event-driven methods of resource-provisioning.

## SECTION - II

- Q - 1** Attempt any five. [05]
- (i) EFS stands for.....
- (ii) EC2 stands for.....
- (iii) Explain AWS security service.
- (iv) Explain any two AWS service for Platform as a Service.
- (v) Give the three name of cloud service provider.
- (vi) What is virtual machine?
- (vii) What is machine imaging in cloud computing?
- Q - 2 (a)** List and explain security issues of cloud. [05]
- Q - 2 (b)** Explain cloud computing security issues. [05]
- OR**
- Q - 2 (a)** Explain types of virtual machine migration in depth. [05]

- Q - 2 (b) Explain any three AWS cloud service in depth. [05]  
Q - 3 (a) Explain any three AWS Software as a services. [05]  
Q - 3 (b) Explain load balancing in cloud computing. [05]

OR

- Q - 3 (a) Explain Virtual machine security in depth. [05]  
Q - 3 (b) Explain Identity Management and Access control Identity management. [05]  
Q - 4 Attempt any one. [05]  
(i) Explain AWS billing and pricing.  
(ii) Explain Elastic block store and Simple storage service.

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