



DBY-003-1082003

Seat No. _____

M. Sc. I.T. (Sem. II) (CBCS) Examination

July - 2022

CS-09 : Cloud Computing

Faculty Code : 003

Subject Code : 1082003

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Objective type questions : 4
- (1) The ___ model originally did not require a cloud to use virtualization to pool resources.
 - (2) Full form of CSP.
 - (3) An Internet connection is necessary for cloud computing interaction ? (True/False)
 - (4) Full form of NIST.
- (b) Answer in brief : (Any One) 2
- (1) Explain any two characteristics of cloud computing.
 - (2) What is Grid computing ?
- (c) Answer in detail : (Any One) 3
- (1) Difference between cloud computing V/s Distributed Computing.
 - (2) Explain cluster computing and utility computing.
- (d) Write a note on : (Any One) 5
- (1) Explain cloud computing deployment model.
 - (2) Explain Cloud computing advantages and disadvantages.

- 2** (a) Objective type questions : **4**
- (1) Full form of VM.
 - (2) Full form of CSA.
 - (3) Full form of IAM.
 - (4) Full form of SAN.
- (b) Answer in brief : (Any One) **2**
- (1) Explain host level security.
 - (2) Explain data storage as service.
- (c) Answer in detail : (Any One) **3**
- (1) Explain data privacy and security issues.
 - (2) Describe Infrastructure cloud security.
- (d) Write a note on : (Any One) **5**
- (1) Explain types of Virtualization.
 - (2) Explain virtual machine.
- 3** (a) Objective type questions : **4**
- (1) Full form of SLA.
 - (2) Google App Engine is an example of ____.
 - (3) Application frameworks provide a means for creating ____ hosted applications.
 - (4) Full form of SOA.
- (b) Answer in brief (Any One) **2**
- (1) What is salesforce.com ?
 - (2) What is WebOS ?
- (c) Answer in detail (Any One) **3**
- (1) Define Shortly SAAS.
 - (2) Describe cloud platform and management.
- (d) Write a note on : (Any One) **5**
- (1) Explain SOA Architecture.
 - (2) Explain SLA.

- 4 (a) Objective type questions : 4
- (1) Virtualization is the use of hardware and/or software to create the perception of something. [True/False]
 - (2) ___ is a cloud computing service model in which hardware is virtualized in the cloud.
 - (3) Full form of RAID.
 - (4) The foundational component of virtual infrastructure and enable computer system partitioning is called Hypervisors.[True/False]
- (b) Answer in brief : (Any One) 2
- (1) What is concept of XEN Server ?
 - (2) What is VMware ?
- (c) Answer in detail : (Any One) 3
- (1) Explain virtual server.
 - (2) Explain Hyper-V.
- (d) Write a note on : (Any One) 5
- (1) What is virtualization ? Explain virtualization objectives.
 - (2) Explain virtualization implementation.
- 5 (a) Objective type questions : 4
- (1) AWS cloud computing architecture provides functionality similar to Eucalyptus architecture. [True/False]
 - (2) A ___ role is a virtual machine instance running the Microsoft IIS Web server that can accept and respond to HTTP or HTTPS requests.
 - (3) Full form of EC2.
 - (4) Full form of EUCALYPTUS.
- (B) Answer in brief : (Any One) 2
- (1) What is EUCALYPTUS ?
 - (2) What is Microsoft Azure ? Explain some detail.

(c) Answer in detail : (Any One) **3**

(1) Explain case study on EUCALYPTUS.

(2) Explain feature of Amazon EC2.

(d) Write a note on : (Any One) **5**

(1) Describe case study on Microsoft Azure.

(2) Describe case study on Amazon EC2.
