



NBW-003-1082003 Seat No. _____

M. Sc. (I.T.) (W.I.F. 2016) (Sem. II) (CBCS) Examination

April / May - 2017

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) _____ model consists of the particular types of services that you can access on cloud computing platform.
 - (2) How many deployment models are there in cloud computing.
 - (3) _____ describes a cloud service that can only be accessed by a limited amount of people.
 - (4) Give full form of NIST.
- (B) Answer in brief : (any **one**) 2
- (1) Explain any two Characteristics of cloud computing.
 - (2) Cluster computing v/s Grid computing.
- (C) Answer in detail : (any **one**) 3
- (1) Explain any two Deployment Models in detail.
 - (2) Explain Cluster computing and utility computing.
- (D) Write a note on : (any **one**) 5
- (1) Explain XaaS Service models of cloud computing in detail,
 - (2) Explain advantages and disadvantages of cloud computing in detail.

- 2 (A) Objective type questions : 4
- (1) The _____ is a firmware or low-level program that acts as a Virtual Machine Manager,
 - (2) EUCALYPTUS stands for ?
 - (3) _____ service model provides virtual machines, virtual storage, and other hardware assets.
 - (4) In amazon ec2, e stands for ?
- (B) Answer in brief : (any **one**) 2
- (1) How cloud computing works as a data storage? Explain.
 - (2) Describe Security issues in cloud computing.
- (C) Answer in detail : (any **one**) 3
- (1) Explain virtual machine monitor,
 - (2) Describe Host level security.
- (D) Write a note on : (any **one**) 5
- (1) Explain Virtual Machine in detail.
 - (2) What is IaaS? Explain it in detail.
- 3 (A) Objective type questions : 4
- (1) What is SaaS ?
 - (2) Give full form of SOA.
 - (3) Give short form of Service Level Agreements.
 - (4) GAE is a short form of _____
- (B) Answer in brief : (any **one**) 2
- (1) Explain SalesForce.com
 - (2) Explain Web OS.
- (C) Answer in detail : (any **one**) 3
- (1) What is PaaS? Explain it.
 - (2) What is SOA? Explain it.

- (D) Write a note on : (any **one**) 5
- (1) How large scale data is processed in cloud computing? Explain in detail.
 - (2) Describe SaaS in detail.
- 4 (A) Objective type questions : 4
- (1) What is Virtualization?
 - (2) _____ technique is vital for creating cloud-computing centers.
 - (3) Cloud computing architecture is constructed on top of Virtualized environment ? (true/false)
 - (4) Xen server is related to virtualization. (true/false)
- (B) Answer in brief : (any **one**) 2
- (1) Explain VMWare - II.
 - (2) Describe the concept of Xen Server
- (C) Answer in detail : (any **one**) 3
- (1) Explain objectives of Virtualization.
 - (2) Explain Hyper V-I.
- (D) Write a note on : (any **one**) 5
- (1) Describe Virtualization implementation.
 - (2) Explain Virtual servers.
- 5 (A) Objective type questions : 4
- (1) What is Amazon EC2 ?
 - (2) azure providing PaaS service. [true/false]
 - (3) Which amazon web service is used to create instance in cloud computing?
 - (4) Eucalyptus component NC stands for _____

- (B) Answer in brief : (any **one**) **2**
- (1) Describe Microsoft azure as a cloud computing service.
 - (2) What is Eucalyptus? Explain it.
- (C) Answer in detail : (any **one**) **3**
- (1) Explain overview of open source and commercial clouds.
 - (2) Explain case study on Amazon EC2.
- (D) Write a note on : (any **one**) **5**
- (1) Explain any one case study related to Microsoft azure.
 - (2) Give steps to launch virtual server instance in cloud computing.
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