

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination
March/April– 2019 (New Course)
CLOUD COMPUTING (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Q-1 (A) Answer the following question. (03)
- (1) What is Grid Computing?
 - (2) What is Cloud Computing?
 - (3) What is Distributed Computing?
- (B) Answer the following questions (Any Two) (06)
- (1) Differentiate Grid Computing Vs. Cloud Computing.
 - (2) Explain the Characteristics of Cloud Computing.
 - (3) What are the properties of Cloud Computing?
- (C) Answer the following question (Any one) (05)
- (1) What are the Advantages and Disadvantages of Cloud Computing?
 - (2) Give the architecture of Cloud computing and discuss about the cloud services.
- Q-2 (A) Answer the following question. (03)
- (1) What is the full form of VMM?
 - (2) What is the full form of AWS?
 - (3) Definition of Iaas.
- (B) Answer the following questions (Any Two) (06)
- (1) Explain the cycle of Virtual Machine.
 - (2) What is Hardware Emulation?
 - (3) What are the features of infrastructure as service providers?
- (C) Answer the following question (Any one) (05)
- (1) How Grid Computing Works?
 - (2) How Data Security works in Cloud Computing?
- Q-3 (A) Answer the following question. (03)
- (1) What is PaaS?
 - (2) What is the full form of SOA?
 - (3) What is the full form of CORBA?
- (B) Answer the following questions (Any Two) (06)
- (1) Explain the architecture of cloud file systems (GPS, HDFS).
 - (2) Describe the major cloud features of Google application engine.
 - (3) Explain platform as a service of Google.

- (C) Answer the following question (Any one) (05)
- (1) What is Application level security?
 - (2) Explain Web Services.
- Q-4 (A) Answer the following question. (03)
- (1) What is virtualization?
 - (2) What is cloud scalability?
 - (3) What is the need of Virtualization?
- (B) Answer the following questions (Any Two) (06)
- (1) Define the terms emulation, para-virtualization, and full virtualization.
 - (2) Describe a set of services provided by VMware vSphere.
 - (3) Explain different types of attacks against computers, networks, and cryptographic systems in cloud system.
- (C) Answer the following question (Any one) (05)
- (1) What is the difference between process virtual machines, Host VMMs and Native VMMs?
 - (2) Explain the characteristics and types of Virtualization in Cloud Computing.
- Q-5 (A) Answer the following question. (03)
- (1) Outline the main services that are offered by AWS.
 - (2) What is windows azure?
 - (3) What is the full form of Eucalyptus?
- (B) Answer the following questions (Any Two) (06)
- (1) Write a brief notes on high availability and disaster recovery in cloud computing.
 - (2) Explain the procedure of building private cloud using Eucalyptus.
 - (3) What is trusted cloud computing?
- (C) Answer the following question (Any one) (05)
- (1) Explain infrastructure as a service of Amazon.
 - (2) What is windows azure? Discuss the storage services provided by windows azure.
