

**M.Sc.(IT & CA) Semester - 2 (CBCS) Examination**  
**March/April -2019 (Old 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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- Que-1 (A) Answer the following questions. (04)
- (1) A \_\_\_\_\_ is a group of linked computers, working together closely so that in many respects they form a single computer.
  - (2) \_\_\_\_\_ involves offering hardware related services using the principles of cloud computing.
  - (3) State essential characteristic of cloud computing according to NIST model.
  - (4) Full form of NIST.
- (B) Answer Any One. (02)
- (1) Explain advantages of cloud computing.
  - (2) How cloud computing works?
- (C) Answer Any One. (03)
- (1) Explain Role of open standard in cloud.
  - (2) Explain cloud computing stack.
- (D) Answer Any One. (05)
- (1) Explain business drives adopting cloud computing.
  - (2) Write short note on Recent trends in various computing technology.
- Que-2 (A) Answer the following questions. (04)
- (1) The amount of CPU that is allocated to a particular instance is expressed in terms of \_\_\_\_\_.
  - (2) \_\_\_\_\_ is a service model in which data is maintained, managed, backed up remotely and made available to users over a network.
  - (3) \_\_\_\_\_ is defined as a data life cycle that includes the data's origins and where it moves over time.
  - (4) What is privacy?
- (B) Answer Any One. (02)
- (1) State types of virtualization. Explain any two.
  - (2) Explain the difference between Virtual Machine Image and Instance.
- (C) Answer Any One. (03)
- (1) Features of Amazon EC2.
  - (2) Explain data security in cloud.
- (D) Answer Any One. (05)
- (1) Explain virtual resource provisioning life cycle.
  - (2) Write short note on Eucalyptus as IaaS.
- Que-3 (A) Answer following Questions. (04)
- (1) The portion of the Azure environment that creates and manages a virtual resource pool is called the \_\_\_\_\_.
  - (2) \_\_\_\_\_ is the most complete cloud computing service model is one in which the computing hardware and software, as well as the solution itself, are provided by a vendor as a complete service offering.
  - (3) For Large Scale Data Processing, cloud uses \_\_\_\_\_.
  - (4) In SOA, \_\_\_\_\_ creates a web service and provides its information to the service registry.

- (B) Answer Any One. (02)
- (1) What is PaaS? Give the examples of PaaS.
  - (2) What is Service Provide & Service Requester?
- (C) Answer Any One. (03)
- (1) Explain Windows Azure Services.
  - (2) Explain SaaS Characteristics.
- (D) Answer Any One. (05)
- (1) Explain Force.com as a PaaS.
  - (2) Write short note on WEB OS.
- Que-4 (A) Answer the following Questions. (04)
- (1) \_\_\_\_\_ does not have access to the physical processor, nor does it handle its real interrupts.
  - (2) Which features are supported by VMWARE latest server?
  - (3) \_\_\_\_\_ and \_\_\_\_\_ Virtualization provided by VMWare.
  - (4) What is integration services in Hyper-V.
- (B) Answer Any One. (02)
- (1) How to create virtual machine in Hyper-V.
  - (2) What is Citrix Zen server.
- (C) Answer Any One. (03)
- (1) Write the installation steps for Hyper-V.
  - (2) Write the installation steps for VMWare workstation.
- (D) Answer Any One. (05)
- (1) Write short note on Virtualization objective.
  - (2) Write short note on VMWare Server.
- Que-5 (A) Answer the following Questions. (04)
- (1) Give Full Form of AWS-EC2.
  - (2) What is Elastic IP Address?
  - (3) State types of instances provided by Amazon?
  - (4) What is Walrus?
- (B) Answer Any One. (02)
- (1) What is Virtual Private Cloud?
  - (2) What is Cloud Controller?
- (C) Answer Any One. (03)
- (1) Explain features of EC2.
  - (2) Explain Azure as a SaaS.
- (D) Answer Any One. (05)
- (1) Write short note on Eucalyptus Components.
  - (2) Write short note on Microsoft Azure and its services.

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