Seat No. _____

M. C. A. (Sem. III) (CBCS) Examination

November / December – 2017

Cloud Computing

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   (a)   Attempt the following objective questions :   4

            (1)   Give the full form of CSP.

            (2)   Cloud in cloud computing represents what ?

            (3)   Give the full form of SAN.

            (4)   _____ describes a cloud service that can only be accessed by a limited amount of people.

      (b)   Attempt any one out of two from the following :   2

            (1)   What is cloud computing ?

            (2)   What are the challenges of cloud computing ?

      (c)   Attempt any one out of two from the following :   3

            (1)   Explain peer to peer architecture versus cloud.

            (2)   Differentiate between cloud computing vs grid computing.

      (d)   Attempt any one out of two from the following :   5

            (1)   Explain advantages and disadvantages of cloud computing.

            (2)   Explain types of cloud computing.

2 (a) Attempt the following objective questions : **4**

    (1) Give the full form of DaaS.

    (2) Give the full form of SLA.

    (3) In which model customer pay for the resources kept at the provider's facility ?

    (4) In which service customer does not control, own or manage servers ?

  (b) Attempt any one out of two from the following : **2**

    (1) What is Hybrid PaaS.

    (2) What is Amazon EC2 ?

  (c) Attempt any one out of two from the following : **3**

    (1) Explain PaaS.

    (2) Explain DaaS.

  (d) Attempt any one out of two from the following : **5**

    (1) Explain IaaS in detail.

    (2) Explain SaaS in detail.

3 (a) Attempt the following objective questions : **4**

    (1) Give the full form of CSB.

    (2) _____ is a mechanism used by a cloud provider, where it rents and integrates resources, applications, or services from various cloud vendors to meet extensive and large-scale customer needs.

    (3) Which is a critical component for cloud deployments ?

    (4) Which are the two types of requirements for cloud applications ?

(b) Attempt any one out of two from the following :   **2**

   (1) Give one of the issues related to cloud monitoring and tuning.

   (2) What is CSB ?

(c) Attempt any one out of two from the following :   **3**

   (1) Explain parallelization within cloud applications.

   (2) Explain factors for a successful cloud implementation.

(d) Attempt any one out of two from the following :   **5**

   (1) What are the fundamental requirements of cloud application architecture ?

   (2) Explain SOA for cloud applications.

4 (a) Attempt the following objective questiona :   **4**

   (1) Give the full form of DDoS.

   (2) _____ cost components are those that are entirely related to a specific cloud service.

   (3) Extensibility cost is _____ cost factor.

   (4) Atomic unit is a component of _____ system.

(b) Attempt any one out of two from the following :   **2**

   (1) Explain risk of loss of control.

   (2) Explain TCO for cloud computing.

(c) Attempt any one out of two from the following :   **3**

   (1) Explain risk assessment and management in cloud computing.

   (2) Explain risk of vendor lock-in.

(d) Attempt any one out of two from the following : **5**

   (1) Explain risks in cloud computing.

   (2) Explain risks with software and application licensing.

5 (a) Attempt the following objective questiona : **4**

   (1) Give the full form of AES.

   (2) In _____, different keys are used for encrypting and decryption.

   (3) _____ uses a shared secret key to encrypt as well as decrypt data.

   (4) The full form of SEAL is _____.

  (b) Attempt any one out of two from the following : **2**

   (1) List out the causes of data loss.

   (2) Explain challenges with data backup.

  (c) Attempt any one out of two from the following : **3**

   (1) Explain challenges with data migration.

   (2) Explain key protection.

  (d) Attempt any one out of two from the following : **5**

   (1) Explain asymmetric and symmetric encryption.

   (2) Explain cloud data management interface.

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