Seat No.	

T. Y. (B. Tech) (Sem - II) (New) (CBCS) Examination: March/April-2023
COMPUTER SCIENCE AND ENGINEERING
Cloud Computing (BTN03606)

Day & Date: Monday, 24-07-2023   Max. Marks: 70
Time: 03:00 PM To 06:00 PM

Instructions: 1) Q. No. 1 is compulsory. It should be solved in the first 30 minutes in answer book. Page no 03 (Starting page of the Answer Book). Each question carries one mark.
2) Don't forget to Mention question paper set (P/Q/R/S) on top of page.
3) Figures to the right indicates full marks.
4) Assume data wherever necessary

MCQ/Objective Type Questions

Duration: 30 Minutes   Marks:14

Q.1 Choose the correct alternatives from the given options.   14

1) A combination of public and private clouds is known as _____.
a) Community cloud
b) Private cloud
c) Hybrid cloud
d) None of the above

2) Cloud uses which model for resource utilization _____.
a) Pay-by-use
b) See-by-use
c) Play-by-use
d) None of the above

3) Which of the following provide system resource access to virtual machines?
a) VMM
b) VMC
c) VNM
d) all of the mentioned

4) _____ allows multiple operating system instances to run as guest on the same server.
a) Server
b) Hypervisor
c) Network
d) Data

5) Which of the following is a characteristic of the SaaS applications?
a) SaaS applications are reliable
b) SaaS applications are not customizable
c) SaaS applications are customizable
d) Non-reliable

6) SOA Stands for _____.
a) Service Oriented Architecture
b) Servile Object Architecture
c) Storage Over Architecture
d) Storage Object Architecture

7) Aneka is based on which service model?
a) Iaas
b) PaaS
c) SaaS
d) BPaaS

8) Which feature of Aneka provide scalability of the resources?
a) Manage
b) Provisioning
c) Accelerate
d) Build

9) Which of the following services that need to be negotiated in Service Level Agreements?
   a) Logging
   b) Auditing
   c) Regulatory compliance
   d) All of the mentioned

10) Which of the following service provider provides the least amount of built in security?
   a) SaaS
   b) PaaS
   c) IaaS
   d) All of the mentioned

11) Which one of the following statements is false?
   a) Service Level Agreements (SLAs) is a small aspect of cloud computing.
   b) Cloud computing does not have an impact on Software licensing.
   c) Cloud computing present new opportunities to users and developers.
   d) All of the mentioned

12) Which of the following was one of the weaker aspects of early cloud computing service offerings?
   a) Logging
   b) Integrity checking
   c) Consistency checking
   d) None of the mentioned

13) The most commonly used set of protocols uses _____ as the messaging format.
   a) JSON
   b) BSON
   c) XML
   d) None

14) Which of the following is the deployment model?
   a) Public
   b) Private
   c) Hybrid
   d) All of the mentioned

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Day & Date: Monday, 24-07-2023   Max. Marks: 56
Time: 03:00 PM To 06:00 PM

Instructions: 1) All questions are compulsory.
           2) Figures to the right indicate full marks.
           3) Assume suitable data if necessary.

Section – I

Q.2 **Answer any three questions**   **12**
     a) What are the layers and types of clouds?
     b) Explain VM Migration techniques
     c) What is SOA? Explain with its applications.
     d) What is mean by migrating in cloud computing? Why we use Migrating?

Q.3 **Solve Any Two**   **16**
     a) Explain the concept of roots of cloud computing.
     b) What is virtualization in cloud? Discuss various virtualization techniques.
     c) Define the Software as a Service and explain the SaaS characteristics.

Section – II

Q.4 **Attempt Any Three:**   **12**
     a) Write a note on Comet Cloud.
     b) What is Aneka Cloud platform? Give the resources in Aneka cloud?
     c) Explain the Windows Azure identity standards.
     d) Explain in detail Cloud Contracting models.

Q.5 **Solve Any Two.**   **16**
     a) Explain the concept of Aneka resource provisioning service.
     b) Explain in detail Comet Cloud Architecture with its Autonomic Behavior.
     c) **Write a short note on:**
         i) Security mapping
         ii) Securing Data
         iii) Brokered cloud storage access
         iv) Storage location and tenancy