

Roll No.

E-834

M. Sc. (IT) (Third Semester)
EXAMINATION, Dec.-Jan., 2020-21

(Elective—IV)

Paper Third

CLOUD COMPUTING

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all Sections as directed.

Section—A

1 each

(Objective/Multiple Choice Questions)

Note : Attempt all questions.

Choose the correct answer :

1. refers to the location and management of clouds infrastructure.
 - (a) Service
 - (b) Deployment
 - (c) Application
 - (d) None of these

P. T. O.

2. Which of following dimensions is related to organization's boundaries ?
 - (a) Physical location of data
 - (b) Ownership
 - (c) Security boundary
 - (d) All of these
3. The reputation of cloud computing services for the quality of those services is shared by
 - (a) replicans
 - (b) shards
 - (c) tenants
 - (d) All of these
4. Which of the following is one of the properties that differentiable cloud computing ?
 - (a) Scalability
 - (b) Virtualization
 - (c) Composability
 - (d) All of these
5. Which of the following types of virtualization is also characteristic of cloud computing ?
 - (a) Storage
 - (b) Application
 - (c) CPU
 - (d) All of these

6. Which of the following service provider provides the least amount of built in security ?
 - (a) SaaS
 - (b) PaaS
 - (c) IaaS
 - (d) All of these
7. Which of the following is considered as an essential element in cloud computing by CSA ?
 - (a) Multitenancy
 - (b) Identity of access management
 - (c) Virtualization
 - (d) All of these
8. Which of the following is machinery for interacting with Amazons want product data and e-commerce catalog function :
 - (a) Amazon elastic compute cloud
 - (b) Amazon associates web servers
 - (c) Alexerwed instruction servers
 - (d) All of these
9. Which of the following standards does Azure use ?
 - (a) REJT
 - (b) XML
 - (c) HTML
 - (d) All of these

10. Which of the following elements in Azure stands for management services ?
- (a) configuration
 - (b) application
 - (c) virtual machine
 - (d) None of these
11. feature allows you to optimize your system and capture all possible transforms.
- (a) Scalability
 - (b) Reliability
 - (c) Elasticity
 - (d) None of these
12. Application transmits provide a means for creating hosted applications using IDE.
- (a) PaaS
 - (b) SaaS
 - (c) CaaS
 - (d) All of these
13. Which of the following is correct fully form of SaaS ?
- (a) Storage-as-a-service
 - (b) Server-as-a-software
 - (c) Software-as-a-server
 - (d) None of these

14. data represents more than 50 percent of data created everyday.
- (a) Shadow
 - (b) Light
 - (c) Dark
 - (d) All of these
15. How many categories of storage devices broadly exist in cloud ?
- (a) 1
 - (b) 2
 - (c) 3
 - (d) None of these
16. Which of following is the least important feature of cloud storage ?
- (a) Multisite storage or replication
 - (b) 24 × 7 technical support
 - (c) Data versioning
 - (d) All of these
17. Which of following can be considered as a PaaS offering ?
- (a) Google Haps
 - (b) G-mail
 - (c) Google Earth
 - (d) All of these

18. The allows systems and services to be accountable by a group of organization.
- (a) Private cloud
 - (b) Public cloud
 - (c) Community cloud
 - (d) Hybrid cloud
19. What is name of organization helping to foster security standards for cloud computing ?
- (a) Cloud security standards working
 - (b) Cloud security alliance
 - (c) Cloud security watch dog
 - (d) Security in cloud alliance
20. Which of the following provides tools for managing windows seem of desktops ?
- (a) Microsoft system centre
 - (b) System service
 - (c) System cloud
 - (d) All of these

Section—B

2 each

(Very Short Answer Type Questions)

Note : Attempt all questions.

1. What is cloud computing ?

2. What do you mean by reference model ?
3. What do you mean by virtualization ?
4. What do you mean by DSaaS ?
5. Explain the use of cloud by Businesses.
6. Explain SAL requirements.
7. What do you mean by Intercloud ?
8. List platform used for large scale cloud computing.
9. What are cloud service providers ?
10. What do you mean by Third Party Cloud Services ?

Section—C

3 each

(Short Answer Type Questions)

Note : Attempt all questions. Give answer in less than 75 words.

1. Explain Parallel computing vs. Distributed computing.
2. Explain Grid computing in detail.
3. Explain structure and mechanism of virtualization.
4. Explain taxonomy and levels of virtualization.
5. Explain economy of cloud and open challenges.
6. Explain IaaS and PaaS.
7. Explain benefits and phases of Adoption.
8. Explain Migration Techniques and its phases.
9. Explain Google AppEngine and Microsoft Azure.
10. Explain Business of Consumer Application of cloud.

Section—D

6 each

(Long Answer Type Questions)

Note : Attempt all questions.

1. Explain benefits and challenges of cloud computing and technologies for distributed computing.
2. Explain the advantages and disadvantages of virtualization and explain virtualization technology.
3. Explain security and organizational aspects of cloud computing architecture.
4. Explain service level agreement in detail.
5. Explain Amazon Web Services and energy efficiency in clouds and market based management.