

Roll No.

D-1016

M. Sc. (Fourth Semester) (Main)
EXAMINATION, May-June, 2020

COMPUTER SCIENCE

Paper First

(Cloud Computing)*Time : Three Hours]**[Maximum Marks : 100**[Minimum Pass Marks : 40***Note :** Attempt all Sections as directed.**Section—A**

1 each

(Objective/Multiple Choice Questions)**Note :** Attempt all questions.

Choose the correct answer :

1. computing refers to the application and services that runs on a distributed network using virtualized resources.
- (a) Distributed
 - (b) Cloud
 - (c) Soft
 - (d) Parallel

2. Which of the following can be identified as cloud ?
- (a) Web application
 - (b) Intranet
 - (c) Hadoop
 - (d) All of the above
3. Which of the following is cloud platform by amazon ?
- (a) Azure
 - (b) AWS
 - (c) Cloudera
 - (d) All of the above
4. refers to the location and management of the cloud's infrastructure.
- (a) Service
 - (b) Deployment
 - (c) Application
 - (d) None of the above
5. Which of the following is the deployment model ?
- (a) Public
 - (b) Private
 - (c) Hybrid
 - (d) All of the above
6. Which of the following is the best known service model ?
- (a) SaaS
 - (b) IaaS
 - (c) PaaS
 - (d) All of the above

P. T. O.

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7. How many types of dimension exist are there in cloud cube model ?
- (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
8. provides virtual machines, virtual storage, virtual infrastructure and other hardware assets.
- (a) IaaS
 - (b) SaaS
 - (c) PaaS
 - (d) All of the above
9. Which of the following provides development frameworks and control structure ?
- (a) IaaS
 - (b) SaaS
 - (c) PaaS
 - (d) All of the above
10. How many types of service model are mainly present in cloud ?
- (a) 1
 - (b) 2
 - (c) 3
 - (d) 4

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11. CaaS stands for as service.
- (a) Compliance
 - (b) Computer
 - (c) Community
 - (d) Communication
12. Which of the following is one of the unique attributes of cloud computing ?
- (a) utility type of delivery
 - (b) elasticity
 - (c) low barrier to entry
 - (d) All of the above
13. A..... is a cloud computing service that is both hardware and software.
- (a) Service
 - (b) Platform
 - (c) Model
 - (d) All of the above
14. Which of the following type of virtualization is also characteristics of cloud computing ?
- (a) Storage
 - (b) Application
 - (c) CPU
 - (d) All of the above

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15. The technology used to distribute service request to resources is referred as
- (a) load balancing
 - (b) load scheduling
 - (c) load performing
 - (d) All of the above
16. An application that needed storage alone might not benefit from a cloud deployment at all.
- (a) Online
 - (b) Offline
 - (c) Virtual
 - (d) All of the above
17. Which of the attribute is required for the best user interface ?
- (a) User interaction
 - (b) Ease of use
 - (c) Interface features
 - (d) All of the above
18. Which of the following is the first level cloud service attribute ?
- (a) Accounting
 - (b) Application support
 - (c) Core service
 - (d) All of the above

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19. Microsoft Azure appfabric provides
- (a) Application hosting environment
 - (b) Application container
 - (c) Store for documents
 - (d) Store for database
20. Rackspace cloud service is an example for
- (a) CaaS
 - (b) PaaS
 - (c) IaaS
 - (d) SaaS

Section—B

2 each

(Very Short Answer Type Questions)

Note : Attempt all questions in 2-3 sentence.

1. What is cloud computing ?
2. What is parallel computing ?
3. What do you mean by virtualization ?
4. What is Xen in cloud computing ?
5. What do you mean by cloud service ?
6. What do you mean by data security ?
7. What is service level agreement ?
8. What is the of cloud service provider ?
9. What is the use of cloud computing in teaching industry ?
10. What is Amazon web services ?

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Section—C

3 each

(Short Answer Type Questions)

Note : Attempt all questions. Write answer in < 75 words.

1. Write the characteristics and benefits of cloud computing.
2. Write a short notes on evolution of cloud computing.
3. What are the characteristics of virtualization ?
4. What are the various levels of virtualization ?
5. Explain IaaS and PaaS using example.
6. What do you mean by host security ?
7. Discuss the capability of cloud services provider.
8. What do you mean by Service level agreement ?
9. Write about Microsoft Azure ?
10. Discuss about some scientific application of cloud computing.

Section—D

6 each

(Long Answer Type Questions)

Note : Attempt all questions. Write answer in <150 words.

1. Write short notes on the following :
 - (a) Grid computing
 - (b) Distributed computing
2. Write the advantages and disadvantages of virtualization in cloud computing.

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3. Discuss architecture of cloud computing and also write open challenges of cloud computing.
4. What is migration to the cloud ? Write about various phase of migration.
5. Write some application of cloud computing and also write about third party cloud service.

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