

Roll No.

Total Printed Pages - 8

F-1025

M.Sc. (Fourth Semester)
EXAMINATION, May-June, 2022
COMPUTER SCIENCE
PATER FIRST
Cloud Computing

*Time : Three Hours]**[Maximum Marks:100**[Minimum Pass Marks:40***Note - Attempt all sections as directed.****Section - A****(Objective/Multiple Choice Questions)****(1 mark each)****Note- Attempt all questions.****Choose the correct answer :**

1. Which one of the following options can be considered as the cloud?
 (A) Hadoop
 (B) Intranet
 (C) Web Applications
 (D) All of the above

2. Which of the following has many features of that is now known as cloud computing?
 (A) Web service
 (B) Softwares
 (C) All of the above
 (D) Internet
3. Which of the following is an essential concept related to cloud?
 (A) Reliability
 (B) Abstraction
 (C) Productivity
 (D) All of the above
4. In the planning phase, which of the following is the correct step for performing the analysis?
 (A) Cloud computing value proposition
 (B) Cloud computing strategy planning
 (C) Both (A) and (B)
 (D) Business architecture development
5. How many phase are present in cloud computing planning?
 (A) 2
 (B) 3
 (C) 4
 (D) 5

P.T.O.**F- 1025**

[3]

6. Which one of the following refers to the user's part of the cloud computing system?
 - (A) Backend
 - (B) Management
 - (C) Infrastructure
 - (D) Front end
7. Through which, the backend and front-end are connected with each other?
 - (A) Browser
 - (B) Database
 - (C) Network
 - (D) Both (A) & (B)
8. The face.com and windows azure are examples of which of the following-
 - (A) IaaS
 - (B) PaaS
 - (C) SaaS
 - (D) Both (A) & (B)
9. Cloud computing architecture is a combination of?
 - (A) Service-oriented architecture and grid computing
 - (B) Utility computing and event-driven architecture
 - (C) Service-oriented architecture and event-driven architecture
 - (D) Virtualization and event-driven architecture

[4]

10. Which one of the following technology works behind the cloud computing platform?
 - (A) Virtualization
 - (B) SOA
 - (C) Grid computing
 - (D) All of above
11. In virtualization, which architecture provides the virtual isolation between the several tenants?
 - (A) IT architecture
 - (B) Multitenant
 - (C) Deployment
 - (D) Business architecture
12. Which of the following is the correct full form of SaaS?
 - (A) Storage-as-a-service
 - (B) Server-as-a-software
 - (C) Software-as-a-service
 - (D) None of the above
13. How many types of PaaS are there?
 - (A) 4
 - (B) 3
 - (C) 2
 - (D) 5

[5]

14. _____ Model attempts to categorize a cloud network based on 4-dimensional factors.
- (A) Cloud square
 - (B) Cloud service
 - (C) Cloud cube
 - (D) All of above
15. The term "CaaS" stands for_____ .
- (A) Compliance as a service
 - (B) Computer as a service
 - (C) Community as a service
 - (D) Communication as a service
16. Which one of the following statement 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 above
17. Which one of the following cloud concepts is related to sharing and pooling the resources?
- (A) Polymorphism
 - (B) Virtualization
 - (C) Abstraction
 - (D) None

F- 1025

P.T.O.

[6]

18. Which one of the following is cloud platform by amazon?
- (A) Azure
 - (B) AWS
 - (C) Cloudera
 - (D) All of the above
19. Which of the following statement is not true?
- (A) Through cloud computing, one can begin with very small and become big in a rapid manner
 - (B) All applications benefit from deployment in the cloud.
 - (C) Cloud computing is revolutionary, even through the technology it is built on is evolutionary.
 - (D) None
20. In which one of the following phases IT architecture development came?
- (A) Strategy phase
 - (B) Planning phase
 - (C) Deployment phase
 - (D) Development phase

Section - B

(Very Short Answer Type Questions)

(2 marks each)

Note: -Attempt all questions in 2-3 sentences.

1. What is cloud computing?

F- 1025

[7]

2. Which are the different layers that define cloud architecture?
3. What are the different models for deployment in cloud computing?
4. What are hybrid clouds?
5. What is the usage of utility computing?
6. What is service level agreement?
7. What is virtualization?
8. What is grid computing?
9. Explain cloud applications.
10. Mention the names of some large cloud providers and b.databases.

Section-C

(Short Answer Type Questions)

(3 marks each)

Note- Attempt all questions.

1. What are the different deployment models?
2. What are the different modes of SaaS?
3. What are the security aspects provided with cloud?
4. What is the difference between traditional datacenters and cloud?
5. Why is cloud migration important?
6. What is AWS?

[8]

7. Explain SLA.
8. What is Host security?
9. What is the third party cloud service?
10. What is Xen hypervisor in cloud computing?

Section-D

(Long Answer Type Questions)

(6 marks each)

Note- Attempt all questions.

1. What is cloud computing environments? Explain evolution of cloud computing.
2. Explain structure and mechanism of virtualization. Explain virtualization technology.
3. Which are the different layers that define cloud architecture? Also explain different components required in cloud computing.
4. What is adoption in migration to the cloud? Also explain benefits and phases of adoption.
5. Explain AWS, GAE and MS Azure as cloud industry platforms.