

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2023.

Fifth Semester

Computer Science – Major Elective

CLOUD COMPUTING

(For those who joined in July 2021-2022)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Cloud computing is a kind of abstraction which is based on the notion of combining physical resources and represents them as _____ resources to users.
- (a) Real (b) Cloud
(c) Virtual (d) None

2. A cloud deployment model represents a specific type of _____ environment, primary distinguished by ownership, size and access
- (a) Security (b) Deployment
(c) Cloud (d) Privacy
3. Who is the father of cloud computing?
- (a) Sharon B cloud (b) C.R. Licklider
(c) Robinson (d) Richard
4. Which of the following features of cloud computing?
- (a) Security
(b) Availability
(c) Large network access
(d) None
5. A model that attempts to categorize a cloud network based on four dimensional factors?
- (a) Cloud cube (b) Cloud square
(c) Cloud service (d) None

6. Which of the following monitors the performance of the major cloud-based services in real time in cloud
- (a) Cloud watch (b) Cloud sensor
(c) Cloud metrics (d) None
7. An application that provides for transaction overflow in a reservation system in an example of _____
- (a) Cloud bursting (b) Cloud provisioning
(c) Cloud services (d) None
8. An Internal cloud is
- (a) An overhanging threat
(b) A carrer risk for CIO
(c) A cloud that sit behind a corporate firewall
(d) None
9. Wet based sharing services
- (a) Google (b) Microsoft
(c) OS (d) GUI

10. Amazon web services in a type of cloud computing distribution model.
- (a) Software as a service
(b) Software as curriculam
(c) Platform as a service
(d) All the above

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Explain some cloud computing models with suitable example.
Or
(b) Discuss about cloud storage devices.
12. (a) Discuss about how virtualization is implemented.
Or
(b) Explain about the architecture of cloud computing.
13. (a) Explain the Infrastructure of SOA.
Or
(b) Write a note on Google App engine.

14. (a) Cloud computing in health care – Explain.

Or

(b) Explain Evaluatory blogs for collaboration.

15. (a) Explain the features of Nimbus in cloud computing.

Or

(b) Explain the layers and features of Nebulae.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Explain Burn's process management.

Or

(b) Explain the history of cloud computing.

17. (a) Discuss the cloud computing life cycle.

Or

(b) Briefly explain different kinds of virtualization.

18. (a) Explain the major issues in cloud computing.

Or

(b) Explain Risk management process in cloud computing.

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19. (a) Explain mobile cloud computing.

Or

(b) Explain QOS in cloud computing.

20. (a) Explain what are the migration types for cloud enabled application.

Or

(b) Describe Hadoop ecosystem.

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