

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE

22 UCT 5E1

DURING THE ACADEMIC YEAR 2022-23 ONLY)

REG.NO.

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : NOVEMBER – 2024

B.Sc. – COMPUTER TECHNOLOGY

MAXIMUM MARKS: 50

V SEMESTER

TIME : 3 HOURS

PART – III

CLOUD COMPUTING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. What type of computing technology refers to services and applications that typically run on a distributed network through virtualized resources?
 - a) Distributed Computing
 - b) Cloud Computing
 - c) Soft Computing
 - d) Parallel Computing
2. Total steps of deployment stage in cloud computing are
 - a) 6
 - b) 5
 - c) 4
 - d) 6
3. _____ will help to detect the maximum operating capacity of an application
 - a) Load testing
 - b) Bottleneck detection
 - c) Security
 - d) Scheduler
4. _____ is the process of verifying the identity of an individual.
 - a) Authorization
 - b) Authentication
 - c) Security
 - d) Monitoring
5. _____ is a programming model used for efficient processing in parallel over large data-sets in a distributed manner.
 - a) Cloud
 - b) Web
 - c) MapReduce
 - d) Hadoop

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

6. Define Load Balancing in cloud computing.
7. What is the primary purpose of Identity and Access management?
8. What is cloud performance tuning?
9. What is cloud data security?
10. What is web application framework?

SECTION – B

(5 X 3 = 15 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

11. a) Write short notes on cloud virtualization.

(OR)

- b) Write short notes on Identity and Access management in cloud computing.

(CONTD 2)

12. a) Describe cloud deployment and management.
(OR)
b) Write short notes on Apache Hadoop.
13. a) What are the application performance metrics of cloud computing?
(OR)
b) What are the work load characteristics of cloud computing?
14. a) What is cloud key management and Auditing?
(OR)
b) What is cloud Authorization?
15. a) Write short notes on Google platform.
(OR)
b) Describe the Windows Azure.

SECTION – C**(5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**

16. a) Discuss the cloud computing models in detail.
(OR)
b) Explain the services and applications of cloud computing.
17. a) What is content delivery in cloud computing? Explain.
(OR)
b) Discuss the role of schedulers in cloud computing.
18. a) Explain cloud reference architecture in detail.
(OR)
b) Discuss the load testing and bottleneck deduction in cloud computing.
19. a) Explain CSA cloud security architecture in detail.
(OR)
b) How cloud is used in Healthcare and manufacturing industries.
20. a) Discuss Amazon web services.
(OR)
b) How to design a restful web API ?