

(FOR THE CANDIDATES ADMITTED

22 PCS 207

DURING THE ACADEMIC YEAR 2023ONLY)

REG.NO.:

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

END-OF-SEMESTER EXAMINATIONS: MONTH AND YEAR

COURSE NAME: M.Sc CS

MAXIMUM MARKS: 50

SEMESTER : II

TIME : 3 HOURS

PART - III**22PCS207 – CLOUD COMPUTING**SECTION – A **(10 X 1 = 10 MARKS)****ANSWER THE FOLLOWING QUESTIONS.****MULTIPLE CHOICES QUESTIONS.****(K1)**

1. The father of cloud computing is _____.

- a) J.C.R. Licklider
- b) Charles Bachman
- c) Sharon B. Codd
- d) Edgar Frank Codd

2. _____ is the computing technology run on a distributed network through virtualized resources.

- a) Distributed Computing
- b) Cloud Computing
- c) Soft Computing
- d) Parallel Computing

3. How many types of services Cloud computing offers?

- a) 2
- b) 3
- c) 4
- d) 5

4. Which of the following is widely used service built on cloud-computing technology?

- a) Twitter
- b) Skype
- c) Gmail
- d) all of the above

5. Which of the following statements is not true?

- a) Load balancing virtualizes systems and resources by mapping a logical address to a physical address.
- b) Google uses hardware virtualization.
- c) Multiple instances of various Google applications are running on different hosts.
- d) All of the above

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES**(K2)**

6. What are the characteristics and Benefits of Cloud Computing?

7. Brief about the term Virtualization.

8. Write about Community clouds.

(CONTD 2)

9. What is data-intensive computing?
 10. List out any five Cloud Scientific applications.

SECTION – B**(5 X 3 = 15 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**
(K3)

11. a) Write the vision of cloud computing.
(OR)
 b).Write about Service-oriented computing.

12. a) Brief note on Hardware-level virtualization.
(OR)
 b) Comment on Paravirtualization.

13. a) Write a short note on Platform as a service.
(OR)
 b) What are the types of clouds? Define each.

14. a) Explain in detail about storage systems for data-intensive computing.
(OR)
 b) What is Google File System (GFS)? Explain.

15. a) Give any five cloud applications.
(OR)
 b)Write short notes on third party cloud services.

SECTION – C**(5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**
(K4 (Or) K5)

16. a) Explain the Computing platforms and technologies.
(OR)
 b) Explain the elements of distributed computing.

17. a) Describe the VMware: full virtualization.
(OR)
 b) Explain the Advantages and Disadvantages of virtualization.

18. a) Describe the Aneka framework with a neat diagram.
(OR)
 b) Describe in detail about Cloud programming and management.

19. a) Elaborate Aneka MapReduce programming Model.
(OR)
 b) Explain the architecture of Google App Engine with neat diagram..

20. a) Describe any three Cloud Computing Scientific Applications in detail with suitable examples.
(OR)
 b) Describe the CRM and ERP with necessary examples.
