

(FOR THE CANDIDATES ADMITTED

22 PCS 207

DURING THE ACADEMIC YEAR 2023 ONLY) 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
  - b) 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.

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