**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)**

NGM COLLEGE (AUTONOMOUS) POLLACHI

END-OF-SEMESTER EXAMINATIONS: JULY- 2022

M. Sc –Computer science   **MAXIMUM MARKS: 70**

II SEMESTER   **TIME: 3 HOURS**

CLOUD COMPUTING

SECTION – A   **(10 X1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS
MULTIPLE CHOICE QUESTIONS**   **(K1)**

1. What is Cloud Computing?
    a. Cloud Computing means providing services like storage, servers, database, networking, etc.
    b. Cloud Computing means storing data in a database
    c. Cloud Computing is a tool used to create an application
    d. None of the mentioned

2. Another core technology for cloud computing is ……….
    a. Light bulb   b. Virtualization
    c. Fiber-optic   d. Thermal technology.

3. Customers are provided with applications that are accessible anytime/anywhere is called ……….
    a. IaaS   b. SaaS   c. PaaS   d. IaaS/HaaS

4. Which of the following is the Cloud Platform provided by Amazon?
    a. AWS   b. Azure   c. Cloudera   d. All of the mentioned

5. Which of the following benefit is provided by the PaaS service provider?
    a. More reliable operation   b. A logical design methodology
    c. A larger pool of qualified developers   d. All of the mentioned

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

6.   Write the vision of cloud computing.

7.   What is emulation?

8.   What is On-demand computing?

9.   What is Aneka?

10. List out five cloud computing services.

SECTION – B   (5 X 4 = 20 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.   (K3)

11.   a) What is distributed system?
                              (OR)
        b) Describe the main characteristics of service orientation.

12.   a) What are the Characteristics of virtualized environments?
                              (OR)
        b) Discuss the advantages of virtualization.

13.   a) Explain types of cloud.
                              (OR)
        b) Explain the challenges in the cloud.

14.   a) Describe the Google file system.
                              (OR)
        b) Explain NoSQL system in detail.

15.   a) Give some examples of a third-party cloud service.
                              (OR)
        b) Discuss Market-oriented cloud computing.

SECTION - C   (4 X 10 = 40 MARKS)

**ANSWER ANY FOUR OUT OF SIX QUESTIONS.
(16TH QUESTION IS COMPULSORY AND ANSWER ANY THREE
QUESTIONS FROM Q.NO: 17 TO 21)   (K4) OR (K5)**

16.   Discuss the history of cloud computing.

17.   Write in detail about cloud computing platforms and technologies**.**

18.   Explain the Taxonomy of virtualization techniques.

19.   What is the Aneka container? Which types of service are hosted inside the Aneka container?

20.   What is AWS? What types of service does it provide?

21.   Explain Federated clouds/Inter Cloud in detail.

A-11   *************************