1T01037 - B.E.(Electronics and Telecommunication)(SEM-VII)(Choice Base Credit Grading System) (R-19-20) (C Scheme) / 42475 - CLOUD COMPUTING AND SECURITY (DLOC - III)

QP CODE: 10015605   DATE: 14/12/2022

Duration: 3hrs   **[Marks:80]**

N.B. : **(1) Question No 1 is Compulsory.**
      (2) Attempt any three questions out of the remaining five.
      (3) All questions carry equal marks.
      (4) Assume suitable data, if required, and state it clearly.

1   Attempt **any FOUR**   **[20]**

   a   What are the benefits of using cloud for Electronic Health Record (EHR) systems?

   b   Compare Service Oriented Architecture (SOA) and Cloud Component Model (CCM).

   c   Explain host security for IAAS.

   d   Compare cloud service models IAAS, PAAS, SAAS.

   e   What are the merits and demerits of different levels of virtualization implementation?

2   a   Explain authentication and authorization management in cloud.   **[10]**

   b   Explain RTMP, HTTP live and HTTP Dynamic streaming protocols.   **[10]**

3   a   How is data security implemented for data at rest and in motion?   **[10]**

   b   Explain Apache Cloudstack, Eucalyptus, Openstack open source private cloud   **[10]**
       softwares.

4   a   Explain database services in cloud with example from any one cloud service provider.   **[10]**

   b   Draw neat diagrams and explain public, private, community and hybrid cloud types.   **[10]**

5   a   Explain the implementation levels of virtualization with necessary diagrams.   **[10]**

   b   What are the pros and cons of using relational and non-relational databases in cloud?   **[10]**

6   a   Explain fog and edge computing with necessary diagrams.   **[10]**

   b   Explain analytics services in cloud with example from any one cloud service provider.   **[10]**

****

15605

2EDB91068CE737F5A29FB8A844E196F0