Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

M.TECH I Year II Semester (R16) Regular Examinations May/June 2017

CLOUD COMPUTING (16CS5811)
(For Students admitted in 2016 only)

Time: **3 hours**   Max. Marks:**60**

(Answer all Five Units **5 X 12 = 60** Marks)

UNIT-I

1   a.   Explain the NIST Definition of Cloud Computing?   6 M
    b.   Explain Cloud Computing Architecture and Cloud
         Components   ?   6 M

OR

2   a.   Explain in detail how cloud reduces capital expenditure?   6 M
    b.   What are three computing paradigms for Cloud computing   6 M

UNIT-II

3   a.   Explain the importance of Virtualization.   6 M
    b.   Explain the challenges and applications of cloud computing models?   6 M

OR

4   a.   What is the fundamental differences between the virtual machine as perceived by
         a traditional operating system processes and a system VM?   6 M
    b.   Explain the terms
              i) Cluster Computing   ii) Grid Computing

                                                                                       6 M

UNIT-III

5   a.   Explain the applications of Cloud Computing in Scientific Domain   6 M
    b.   Explain briefly about Federate cloud computing Architecture   6 M

OR

6   a.   Demonstrate the applications in Health Domain   6 M
    b.   Demonstrate the applications in Consumer Domain   6 M

UNIT-IV

7   Explain how a relational join could be executed in parallel Using
    MapReduce?

                                                                                      12 M

OR

8   Explain a user view of Google App Engine with suitable block schematic?

                                                                                      12 M

UNIT-V

9   Explain how the Data Security can be provided for Cloud Applications

12 M

OR

10   Explain about the Change management in Cloud Computing in detail?

12M

*** END ***