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

B.Tech IV Year II Semester Advanced Supplementary Examinations Oct-2020
CLOUD COMPUTING

(Computer Science & Engineering)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Discuss about clusters of cooperative computers. 6M
b Explain the design goals of HPC & HTC. 6M

OR

- 2 a Give a brief note on the following computing environments: 8M
i) Centralized computing ii) Distributed computing
iii) Parallel computing iv) Cloud computing
b What is a Hypervisor? List out some examples. 4M

UNIT-II

- 3 a Describe various cloud service models. 6M
b How does cloud computing provides on demand functionality? 6M

OR

- 4 a Explain about Business-to-Business integration (B2Bi) services. 8M
b Specify the issues for enterprise applications on the cloud. 4M

UNIT-III

- 5 a State and explain service models of cloud computing with architectures. 8M
b Write Pros and Cons of cloud computing. 4M

OR

- 6 a Explain the process of Virtualization at Hardware Abstraction. 6M
b Distinguish between Full Virtualization and Para-Virtualization. 6M

UNIT-IV

- 7 a Discuss the architecture of federated cloud computing environment in detail. 6M
b Write a short note on cloud mashups. 6M

OR

- 8 a Explain the following terms related to building content delivery networks using clouds: 6M
i) Cloud Front ii) Nirvanix Storage Delivery Network
b Discuss the performance of MetaCDN overlay. 6M

UNIT-V

- 9 a With a neat diagram, Explain the Architecture of mobile cloud computing. 8M
b Describe the applications of mobile cloud computing. 4M

OR

- 10 a What are the issues of mobile computing? 6M
b Explain about Cloud services and clouds. 6M

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