

6E1556

Total No. of Questions: Total

No. of Pages:

Roll No. _____

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B.Tech. VI sem(Main) Exam. June 2020
HSMC Information Technology
6IT5-12 Cloud Computing
6E1556

Time: 2 Hours

Maximum Marks: 80
Min. Passing Marks: 28

Attempt all five questions from Part A, four questions out of six questions from Part B and two questions out of three from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/ calculated must be stated clearly.

Use of following supporting material is permitted during examination. (Mentioned in form No.205)

1. _____

2. _____

Part A (Answer should be given up to 25 words only)
All questions are compulsory

- Q.1 Discuss the Ethical issue with reference to cloud computing?
- Q.2 List the various services provided by the cloud to the end user?
- Q.3 Explain the benefits of virtualization?
- Q.4 what are the cloud security requirements?
- Q.5 Explain the data analysis application of cloud computing?

5 x 2 = 10

Part B Analytical/Problem solving questions
Attempt any four questions

- Q.1 Assess the broad approaches for migration in to the cloud? Discuss the challenges and risk involved in this process?
- Q.2 Explain the various features, characteristics and components of cloud computing system?
- Q.3 Explain parallel and distributed programming Paradigms in cloud computing using a practical example?
- Q.4. Explain the various levels of virtualization. Differentiate between server and desktop virtualization?
- Q.5 what is Business continuity planning (BCP)? Explain the importance & process of BCP?
- Q.6 Describe system architecture of Aneka using suitable example?

4 x 10 = 40

Part C(Descriptive/Analytical/Problem Solving/Design Question)
Attempt any two questions

- Q. 1 (a) Discuss the networking support for cloud computing? (5)
(b) write a short note on future of cloud computing? (5)
(c) Illustrate VMware Hypervisor? (5)
- Q. 2 (a) Explain various service layer in layered architecture of cloud with suitable example? (10)
(b) Write a short note on Hadoop. (5)
- Q. 3 (a) what is Google App? Explain the architecture of Google App Engine in detail. (10)
(b) write a short note on trust Management? (5)