IV B.Tech I Semester Supplementary Examinations, July/Aug - 2021
CLOUD COMPUTING
(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours   Max. Marks: 70

Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any FOUR questions from Part-B
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PART–A *(14 Marks)*

1. a) Explain the benefits of Cloud Computing?   [3]

    b) What is Virtualization?   [2]

    c) Define cloud computing?   [2]

    d) List the main services that are offered by AWS.   [3]

    e) What is Start- Time Fair queuing?   [2]

    f) What is Big table?   [2]

PART–B *(4x14 = 56 Marks)*

2. a) What pros and cons of Cloud computing in comparisons of Distributed and Grid computing?   [7]

    b) Discuss performance Metrics and Scalability Analysis for virtual Machines   [7]

3. a) Explain about virtualization support at the OS level.   [7]

    b) What is Memory virtualization? Explain two level memory mapping procedure? [7]

4. a) Explain different types of clouds available.   [7]

    b) List out architecture design challenges of compute & storage Clouds? Discuss them in brief.   [7]

5. a) Compare and contrast Google App Engine and Amazon AWS.   [7]

    b) What are emerging cloud software environments? Explain with examples.   [7]

6. a) With a neat sketch explain Stability of two-level resource allocation architecture. [7]

    b) What is Resource bundling? Explain combinational auctions?   [7]

7. a) Explain about Amazon simple storage service (S3).   [7]

    b) Discuss about distributed file system.   [7]