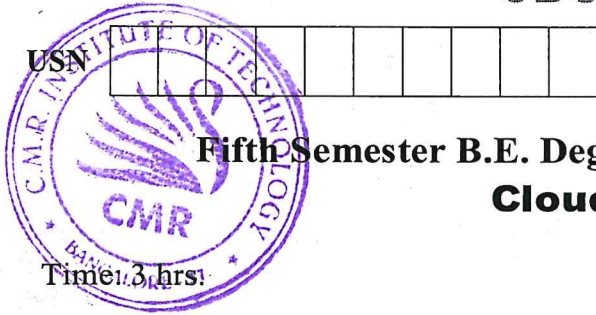


CBCS SCHEME

15CS565



Fifth Semester B.E. Degree Examination, Jan./Feb. 2021

Cloud Computing

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain cloud computing reference model with a neat diagram? (05 Marks)
- b. Explain Pro's and Con's of virtualization? (06 Marks)
- c. Explain two types of Hypervisor? (05 Marks)

OR

- 2 a. Explain different computing platforms and technologies? (06 Marks)
- b. Give the taxonomy of virtualization. Explain Hardware virtualization techniques? (06 Marks)
- c. Write a brief note on Xen architecture? (04 Marks)

Module-2

- 3 a. Explain IaaS reference with a diagram? (06 Marks)
- b. Analyze any 2 services and Aneka container? (06 Marks)
- c. What are the open challenges of cloud computing? (04 Marks)

OR

- 4 a. Explain Aneka framework with a diagram? (06 Marks)
- b. Describe private clouds? (06 Marks)
- c. What are major features of Aneka application model? (04 Marks)

Module-3

- 5 a. Define Task Computing. Explain frameworks for task computing? (07 Marks)
- b. With an example, explain functional decomposition? (05 Marks)
- c. Describe MPI program structure? (04 Marks)

OR

- 6 a. What is Thread? Explain different types of thread API's (05 Marks)
- b. Explain Aneka Task Libraries? (06 Marks)
- c. List the difference between Aneka Threads Vs Common Threads? (05 Marks)

Module-4

- 7 a. Explain the types of high performance distributed file systems? (07 Marks)
- b. Describe the Map-Reduce programming model? (05 Marks)
- c. Write a brief note on Data Grids? (04 Marks)

OR

- 8 a. What is Data Intensive Computing? List the DIC challenges? (08 Marks)
- b. Explain the Variation and Extension of Map-Reduce? (08 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

Module-5

- 9 a. Explain computer and storage services and Microsoft Azure? (06 Marks)
b. Analyze Animoto reference architecture? (06 Marks)
c. Describe ECG analysis in the cloud? (04 Marks)

OR

- 10 a. Explain application and storage services of Google app engine? (07 Marks)
b. Write a brief note on :
i) Drop Box (04 Marks)
ii) iCloud (05 Marks)
c. Explain Amazon EC2 and its basic features? (05 Marks)

