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By K B Hemanth Raj

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CBCS SCHEME

USN | | | | | | | | | | | 15CS742

Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019
Cloud Computing and Its Applications

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 neat diagram.   (10 Marks)
    b. Write a note on the challenges in cloud computing.   (06 Marks)

OR

2   a. Explain Microsoft Hyper V architecture.   (10 Marks)
    b. Explain pros and cons of virtualization.   (06 Marks)

Module-2

3   a. Explain community cloud and list out the benefits.   (10 Marks)
    b. Discuss about the economics of the cloud.   (06 Marks)

OR

4   a. Explain the aneka framework overview.   (10 Marks)
    b. Discuss about the logical organization of an aneka cloud.   (06 Marks)

Module-3

5   a. Explain the domain decomposition techniques for parallel computation. (10 Marks)
    b. What is multiprocessing? Describe the different techniques for implementing
       multiprocessing.   (06 Marks)

OR

6   a. Explain the computing categories for task computing.   (06 Marks)
    b. Explain reference model of a workflow system.   (10 Marks)

Module-4

7   a. List out the open challenges in data intensive computing.   (06 Marks)
    b. Explain the Google Bigtable architecture.   (10 Marks)

OR

8   a. Explain the map reduce programming model.   (10 Marks)
    b. Explain any three distributed file systems.   (06 Marks)

Module-5

9   a. Write a note about the prominent cloud computing platforms.   (06 Marks)
    b. Explain the windows azure platform architecture.   (10 Marks)

OR

10 a. Describe how cloud computing technology can be applied to remote ECG monitoring.
                                                                              (08 Marks)
    b. Explain animoto media application that use cloud technologies.   (08 Marks)

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