CBCS Scheme

16/17SCS/SCE12

First Semester M.Tech. Degree Examination, Dec.2017/Jan.2018
Cloud Computing

Time: 3 hrs.

Max. Marks: 80

Note: *Answer FIVE full questions, choosing one full question from each module.*

Module-1

1   a.   Explain Cloud computing, Delivery models and services.   (10 Marks)
    b.   Write a note on Cloud Computing Google Perspective.   (06 Marks)

OR

2   a.   Explain Cloud Computing Amazon Web services.   (10 Marks)
    b.   Write a note on Open source software platforms for private clouds.   (06 Marks)

Module-2

3   a.   Explain Workflows co-ordination of multiple activities.   (08 Marks)
    b.   Write a note on Grep the web application.   (08 Marks)

OR

4   a.   Explain the Zookeeper co-ordination service.   (08 Marks)
    b.   Write a note on Map Reduce Programming Model.   (08 Marks)

Module-3

5   a.   Explain Virtualization and brief the layering and interfaces.   (08 Marks)
    b.   Write a note on Xen – Paravirtualization for X86 architecture.   (08 Marks)

OR

6   a.   Explain Virtual Machine and Virtual Machine Monitors.   (08 Marks)
    b.   Write a note on Full Virtualization and Paravirtualization.   (08 Marks)

Module-4

7   a.   What are the policies and mechanisms for resource management?   (08 Marks)
    b.   Explain the stability of a two – level resource allocation architecture.   (08 Marks)

OR

8   a.   Explain Combinatorial auctions for cloud resource bundling.   (08 Marks)
    b.   Write a note on Fair Queuing and Start time Fair Queuing.   (08 Marks)

Module-5

9   a.   Explain Security risks posed by a management OS.   (08 Marks)
    b.   Write a note on Trust and Operating system security.   (08 Marks)

OR

10   a.   Brief the steps to launch an EC_2 Linux instance and connect to it.   (08 Marks)
     b.   Brief the steps to install hadoop on Eclipse on a windows system.   (08 Marks)

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