

CBCS SCHEME

USN

--	--	--	--	--	--	--	--	--	--

15CS565

Fifth Semester B.E. Degree Examination, Dec.2018/Jan.2019

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. What is Cloud Computing? Explain the Cloud Computing Reference Model. (07 Marks)
b. Explain the following :
i) Amazon Web Services ii) Manjrasoft Aneka iii) Microsoft Azure. (09 Marks)

OR

- 2 a. What is Virtualization? Explain the pros and cons of virtualization. (08 Marks)
b. What is Xen? Discuss its elements for virtualization. (08 Marks)

Module-2

- 3 a. Explain the Cloud Computing Architecture. (08 Marks)
b. What is Aneka Container? Which types of services are hosted inside the Aneka Container? (08 Marks)

OR

- 4 a. Explain the IaaS based solution for cloud computing. (08 Marks)
b. Discuss the public deployment of Aneka cloud. (08 Marks)

Module-3

- 5 a. Explain the different techniques for parallel computation. (08 Marks)
b. Describe the major differences between Aneka Thread and Local Thread with a neat diagram. (08 Marks)

OR

- 6 a. Explain the following frameworks for Task computing : i) Condor ii) Globus Toolkit iii) Sun Grid Engine (SGE). (09 Marks)
b. Explain about offspring Architecture, with a neat diagram. (07 Marks)

Module-4

- 7 a. List the Open Challenges in data – intensive computing. (08 Marks)
b. Explain the Aneka MapReduce Infrastructure. (08 Marks)

OR

- 8 a. What is Big – table? Explain with a neat diagram. (08 Marks)
b. Explain the following MapReduce – like frameworks :
i) Pig ii) Hive iii) Hadoop iv) Twister. (08 Marks)

Module-5

- 9 a. Describe how cloud computing technology can be applied to support remote ECG monitoring. (08 Marks)
b. What is AWS? What type of services does it provide? (08 Marks)

OR

- 10 a. Explain the Google AppEngine platform architecture. (08 Marks)
b. Write short notes on the following : i) Animoto ii) Maya rendering. (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.