

**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)