JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST-2 EXAMINATION (April 2018)
B-Tech (8rd SEM)

Course Code: 12B1WCI831   Max. Marks: 25

Course Name: Cloud Computing   Max. Time: 1.5 HRS

Course Credit: 3

Note: All questions are compulsory

Q. No. 1   [CO-1]   **[3 Marks]**
You are a cloud analyst. Your company requires expansion of IT resource for its Information Technology demands. As an analyst you are been assigned a task to identify the various major cloud deployment available for expansion. List different factors you will take into consideration while deciding.

Q. No. 2   [CO-1]   **[3 Marks]**
List the type of cloud service, cloud deployment model, flavor of virtualization, user interface and programming framework for Amazon EC2, Google App engine, Microsoft Azure and Gmail?

Q. No. 3   [CO-3]   **[3 Marks]**
Define virtualization and explain difference between virtual machine and virtual appliance.

Q. No. 4   [CO-2]   **[3 Marks]**
What is Rack Awareness? Explain the concept of Rack Awareness with suitable diagram?

Q. No. 5   [CO-2]   **[3 Marks]**
Explain the various basic Configuration files available in Map Reduce? Also explain the role of reducer phase in Map Reduce?

Q. No. 6   [CO-2]   **[3 Marks]**
Explain the Anatomy of File Write and File Read from HDFS architecture with suitable Diagrams?

Q. No. 7   [CO-3]   **[3 Marks]**
Explain all the steps involved in live migration of virtual machine from one infrastructure to another.

Q. No. 8   [CO-2]   **[4 Marks]**
Explain the concept of page-rank with the example of flow formulation and matrix formulation method.