

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST-2 EXAMINATION (April 2019)
B-Tech (8th 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] [5 Marks]
What is the best cloud service model and deployment model for smart city project implementation and why?
- Q. No. 2 [CO-3] [4 Marks]
List different properties of virtualization and explain them with suitable example.
- Q. No. 3 [CO-2] [4 Marks]
It is often said that Hadoop provides high fault-tolerance and reliability of data stored in it. Explain how Hadoop manages to do so?
- Q. No. 4 [CO-2] [4 Marks]
Suppose as a Hadoop programmer you need to write 320 MB of file into Hadoop cluster. Draw the diagram explaining the process to do so. (Assume each block has 64 MB size)
- Q. No. 5 [CO-3] [4 Marks]
For what purpose OVF is used and explain different section in OVF file for any virtual machine. Also provide major limitation of OVF.
- Q. No. 6 [CO-2] [4 Marks]
How Map-reduce programming model can help in calculate page rank parallel on multiple Hadoop machines. Provide brief example.