

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT  
TEST-3 EXAMINATION (May 2018)  
B-Tech (8<sup>rd</sup> SEM)

Course Code: 12B1WCI831  
Course Name: Cloud Computing  
Course Credit: 3

Max. Marks: 35  
Max. Time: 2 HRS

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**Note: All questions are compulsory. Write to the point. Attempt all questions at one place.**

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- Q. No. 1 [CO-5] [3 Marks]  
Write a short note on Google App Engine platform for development of web applications.
- Q. No. 2 [CO-5] [3 Marks]  
List different security and privacy issues with cloud computing platform.
- Q. No. 3 [CO-4] [3 Marks]  
Provide situations in which Scaling-up is better option than scaling-out in cloud computing datacentre design.
- Q. No. 4 [CO-2] [3 Marks]  
What are different assumptions taking while developing Hadoop Map-Reduce Framework?
- Q. No. 5 [CO-4] [3 Marks]  
How mobile cloud computing is different from cloud computing?
- Q. No. 6 [CO-4] [3 Marks]  
Explain the working of augmented execution model of mobile cloud computing environment.
- Q. No. 7 [CO-1] [3 Marks]  
Provide the limitations of using IaaS, PaaS and SaaS for development of robotics application.
- Q. No. 8 [CO-3] [3 Marks]  
Explain the major benefits provided by desktop virtualization when applied in any university.
- Q. No. 9 [CO-1] [3 Marks]  
Organization is using a public development platform, and this sends data to a private cloud.  
Which type of cloud organization is using? Provide major benefits of this type of

cloud.

Q. No. 10

[CO-3] [3 Marks]

Explain briefly the OVF format in virtualization and how it helps to easily port the machines from one provider to another?

Q. No. 11

[CO-5] [5 Marks]

Explain briefly all the components in any cloud computing-based datacentre design.

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