Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_

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**End Semester Examination – Nov / Dec– 2019**

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| **Code :** | **14CS3011** | **Duration :** | **3hrs** |
| **Sub. Name :** | **CLOUD COMPUTING SERVICES** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1. | a. | Define computing. List out the deployment models of cloud computing. | CO2 | 5 |
| b. | What is a hybrid cloud? | CO1 | 3 |
| c. | Discuss the basic attributes of cloud computing services. | CO2 | 12 |
| (OR) | | | | |
| 2. | a. | List out the major concerns in cloud computing services. | CO2 | 8 |
| b. | What are the delivery models of cloud? Explain each delivery model and also the software used to build that delivery models (services). | CO3 | 12 |
| 3. | a. | Draw and explain the architectural diagram of private cloud. | CO2 | 10 |
| b. | Define open virtualization format. | CO2 | 6 |
| c. | Mention few open source cloud computing software. | CO1 | 4 |
| (OR) | | | | |
| 4. |  | Differentiate the types of hypervisor and explain any one of the hypervisor in detail. | CO2 | 20 |
| 5. |  | Discuss the deployment models of open stack in the cloud computing environment. | CO2 | 20 |
| (OR) | | | | |
| 6. | a. | Explain the architecture of openstack with a neat diagram. | CO3 | 15 |
| b. | List out the basic roles of openstack in cloud environment. | CO2 | 5 |
| 7. | a. | Discuss the working principle of keystone with the necessary block diagram. | CO3 | 15 |
| b. | Draw the architecture diagram of horizon in openstack. | CO1 | 5 |
| (OR) | | | | |
| 8. | a. | How neutron is utilized in open stack platform for connecting the various services in the cloud. | CO2 | 20 |
|  | | Compulsory: |  |  |
| 9. | a. | Mention the basic considerations and requirements for deploying SUSE openstack cloud. | CO1 | 10 |
|  | b. | Explain the SUSE cloud architecture and draw the SUSE cloud infrastructure. | CO3 | 10 |