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



**End Semester Examination – Nov/Dec– 2017**

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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. | What is data center? | CO2 | 3 |
| b. | Mention the types of cloud services. | CO1 | 3 |
| c. | Explain the benefits and features of IaaS in cloud computing. | CO3 | 14 |
| (OR) | | | | |
| 2. | a. | List out few applications of public cloud. | CO1 | 3 |
| b. | Discuss the major issues of the cloud computing services. | CO2 | 7 |
| c. | How scaling can be done in cloud computing services during the deployment of cloud platforms. | CO2 | 10 |
|  |  |  |  |  |
| 3. |  | Elucidate the way of managing cloud with open source tools. | CO3 | 20 |
| (OR) | | | | |
| 4. | a. | What is hypervisor? | CO2 | 3 |
|  | b. | List out the types of hypervisor. | CO1 | 2 |
|  | c. | Draw the architectural diagram of various types of hypervisor. | CO2 | 5 |
|  | d. | Explain any one type of hypervisor and list out few tools used to build the hypervisor. | CO2 | 10 |
|  |  |  |  |  |
| 5. | a. | Define openstack. | CO2 | 3 |
|  | b. | Draw the modular architecture diagram of openstack. | CO2 | 3 |
|  | c. | List out the various components of openstack. | CO1 | 4 |
|  | d. | Explain the architecture of keystone with neat diagram. | CO2 | 10 |
| (OR) | | | | |
| 6. |  | Discuss the working model of glance and neutron with the neat diagram. | CO2 | 20 |
|  |  |  |  |  |
| 7. | a. | Explain the methodology of horizon in openstack platform with the diagram. | CO2 | 10 |
|  | b. | Elucidate the way of block storage adopted in openstack while deploying the cloud services. | CO2 | 10 |
| (OR) | | | | |
| 8. | a. | Discuss the deployment models of openstack in the cloud computing environment. | CO2 | 10 |
|  | b. | Discuss the basic components used in the eucalyptus software architecture. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Draw the software architecture diagram of eucalyptus and explain the basic terminologies used to build the cloud architecture in eucalyptus cloud. | CO3 | 20 |

ALL THE BEST