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



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

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| **Code :** | **17CA3018** | **Duration :** | **3hrs** |
| **Sub. Name :** | **SECURITY IN THE CLOUD** | **Max. Marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | With a neat sketch, elaborate the technologies for network-based system in detail. | CO2 | 20 |
| **(OR)** | | | | |
| 2. | a. | Give a detailed note on service models of cloud. | CO5 | 10 |
| b. | Write a brief note on characteristics of cloud computing. | CO5 | 5 |
| c. | Compare public with private cloud. | CO6 | 5 |
|  |  |  |  |  |
| 3. | a. | Discuss the Para-Virtualization with compiler support. | CO3 | 10 |
| b. | Give a detailed note on virtualization structures, tools and mechanisms with suitable examples in real time. | CO3 | 10 |
| **(OR)** | | | | |
| 4. | a. | Write a note on CPU, Memory and I/O virtualization. | CO3 | 10 |
| b. | Explain different types of virtualization in detail. | CO3 | 10 |
|  |  |  |  |  |
| 5. |  | Elaborate the layered cloud architecture development in detail with a neat sketch. | CO2 | 20 |
| **(OR)** | | | | |
| 6. | a. | Give a detailed summary on resource provisioning and platform deployment. | CO2 | 10 |
| b. | Give an elaborate outline of global exchange of cloud resources. | CO2 | 10 |
|  |  |  |  |  |
| 7. | a. | Elaborate the programming support of Google App engine. | CO5 | 10 |
| b. | Describe the Microsoft Azure programming support. | CO5 | 10 |
| **(OR)** | | | | |
| 8. | a. | Describe the architecture of EUCALYTUS in detail. | CO5 | 10 |
| b. | Write a detailed note about Open stack. | CO5 | 10 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Explain the Cloud Security Challenges. | CO1 | 10 |
| b. | Decribe in detail the outsourcing model for security management software as a service(SaaS). | CO1 | 5 |
| c. | Write a short note on security architecture design. | CO1 | 5 |