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



**End Semester Examination – Nov/Dec – 2018**

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| **Code : 18CS3016** |  | **Duration :** | **3hrs** |
| **Sub. Name : CLOUD COMPUTING AND IOT** |  | **Max. marks :** | **100** |

**ANSWER ANY FIVE QUESTIONS (5 x 16 = 80 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Mention the various applications of vertical IOT. | CO2 | 8 |
| b. | Compare and contrast RFID with M2M internet of devices. | CO3 | 8 |
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| 2. | a. | Elaborate the middleware architecture of Supervisory control and data acquisition(SCADA) with a neat sketch. | CO1 | 10 |
| b. | Elicit real time challenges that are faced by IOT applications. | CO2 | 6 |
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| 3. | a. | List the two types of Web Of Thing(WOT) and describe the unified multitier architecture of WOT with a neat sketch. | CO1 | 10 |
| b. | Mention the various security challenges that is enforced on information security. | CO2 | 6 |
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| 4. | a. | What is cloud computing and mention its hierarchy? | CO4 | 6 |
| b. | Justify the following statement with a real time application” cloud computing is the fusion of grid and SOA”. | CO4 | 10 |
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| 5. | a. | Discuss the various standardization that characterizes cloud computing. | CO4 | 8 |
| b. | Compare and contrast PaaS with SaaS. | CO4 | 8 |
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| 6. | a. | State the storage services offered by Amazon EC2 cloud. | CO5 | 8 |
| b. | Illustrate how virtualization is implemented in the cloud environment. | CO5 | 8 |
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| 7. |  | Elaborate on the various deployment model in cloud computing with suitable example. | CO5 | 16 |
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| **COMPULSORY QUESTION (1 x 20 = 20 Marks)** | | | | |
| 8. | a. | Discuss the various threats at different layers of IOT. | CO6 | 10 |
| b. | Tabulate advantages and disadvantages of various trust models in IOT. | CO6 | 10 |