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



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

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|  |  |  |  |
| **Code :** | **16EC2002** | **Duration :** | **3hrs** |
| **Sub. Name :** | **INTERNET OF THINGS FOR COMMUNICATION ENGINEERING** | **Max. Marks :** | **100** |

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

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| **Q.**  **No.** |  | **Questions** | **Course Outcome** | **Marks** |
| 1. |  | Appraise on the layers of IoT and their respective IoT Protocols with  neat diagrams. | CO1 | 20 |
| **(OR)** | | | | |
| 2. |  | Reveal your perception on M2M communication and discuss about the M2M architecture with suitable diagrams. | CO2 | 20 |
|  |  |  |  |  |
| 3. |  | Explain about the remote monitoring and sensing application of IoT in detail with related diagrams. | CO3 | 20 |
| **(OR)** | | | | |
| 4. |  | Infer about the performance evaluation of IoT systems in terms of regulations, rules, parameters and metrics. | CO1 | 20 |
|  |  |  |  |  |
| 5. |  | Build the IoT protocol architecture and enlighten the functions of each protocol in detail with suitable diagrams. | CO1 | 20 |
| **(OR)** | | | | |
| 6. |  | Appraise on IoT communication patterns and explain the various types with necessary diagrams in detail. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Classify the technologies involved in IoT development - the IoT Networking  Core and explain each of them in detail with necessary diagrams. | CO2 | 20 |
| **(OR)** | | | | |
| 8. |  | Interpret the OSI reference model and explain about the layer to layer data  transfer with reference to a transmitter and receiver with necessary diagrams. | CO1 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | Explain the applications of IoT in home security, in Industries, in electronic  equipments and in the medical field with necessary sketches. | CO3 | 20 |