# Reg.No.

**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – April/May – 2017**

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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. | Sub Div. | Questions | Course Outcome | Marks |
| 1. | a. | Changes in our planet – Portray the Roll play of IoT. | CO1 | 3 |
| b. | Contrast between Internet and Web. | CO1 | 5 |
| c. | Argue the methodology of an internet controlled fan with a suitable diagram. | CO1 | 5 |
| d. | Write about REST. | CO1 | 7 |
| (OR) | | | | |
| 2. |  | Enlighten Web of Things with suitable diagrams. | CO1 | 20 |
| 3. | a. | Elucidate about cloud services. | CO1 | 3 |
|  | b. | Name any two applications of IoT under environmental monitoring. | CO1 | 3 |
|  | c. | Portray your perception about bandwidth utilization. | CO1 | 6 |
|  | d. | Explicate on IoT protocol stack with necessary diagrams. | CO1 | 8 |
| (OR) | | | | |
| 4. |  | Illustrate Home Automation Control System with suitable diagram. | CO1 | 20 |
| 5. |  | Elucidate briefly about the IoT performance measurement parameters. | CO2 | 20 |
| (OR) | | | | |
| 6. |  | Reveal the IoT communication patterns in detail. | CO2 | 20 |
| 7. |  | Enlighten the concept of subnetting with an example and explain the application of IoT in industries. | CO3 | 20 |
| (OR) | | | | |
| 8. |  | With necessary diagrams, portray the application of IoT in the field of medicine. | CO3 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Depict IoT layers with neat sketches and give details for each layer. | CO1 | 20 |

# ALL THE BEST