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 – Nov/Dec – 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **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. | How IoT will change the world? | CO1 | 2 |
| b. | Mention the difference between Internet and Web. | CO1 | 4 |
| c. | How will you control a fan through internet? Explain with a block diagram. | CO1 | 6 |
| d. | Write about REST. | CO1 | 8 |
| **(OR)** | | | | |
| 2. |  | Explain Web of Things with suitable diagrams | CO1 | 20 |
| 3. | a. | Write about cloud services. | CO1 | 4 |
|  | b. | Name any two applications of IoT under environmental monitoring. | CO1 | 3 |
|  | c. | How will you monitor the temperature of KarunyaUniversity from USA by using IoT? Draw the scenario. | CO1 | 6 |
|  | d. | Draw and explain IoT protocol stack. | CO1 | 7 |
| **(OR)** | | | | |
| 4. |  | Illustrate Home Automation Control System with suitable diagram. | CO1 | 20 |
| 5. |  | Explicate briefly aboutthe IoT performance measurement parameters. | CO2 | 20 |
| **(OR)** | | | | |
| 6. |  | Elucidate the IoT communication patterns in detail. | CO2 | 20 |
| 7. |  | Explain subnetting with an example. | CO3 | 20 |
| **(OR)** | | | | |
| 8. |  | With a neat sketch, explain how IoT can be used in medical field. | CO3 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | Describe IoT layers with a neat sketch | CO1 | 20 |

ALL THE BEST