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 :** | **14MS1001** | **Duration :** | **3hrs** |
| **Sub. Name :** | **TECHNOLOGY FOR SOCIETAL NEEDS** | **Max. marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Describe the focal areas of teaching and research in Karunya University as reflected in its vision, mission and goals. | CO1 | 20 |
| **(OR)** | | | | |
| 2. |  | How the concept of interdisciplinary research benefits Karunya University’s focal area? | CO3 | 20 |
| 3. |  | Explain the important organizations involved in global and national water security with their functions. | CO2 | 20 |
| **(OR)** | | | | |
| 4. |  | Describe the principal users of water in the society. | CO2 | 20 |
| 5. |  | List down significant innovations in water technology. | CO1 | 20 |
| **(OR)** | | | | |
| 6. |  | Outline the engineering disciplines for food security. | CO2 | 20 |
| 7. |  | List the ways computers are used in health services. | CO2 | 20 |
| **(OR)** | | | | |
| 8. |  | Outline the concept of telemedicine in promoting health security. | CO2 | 20 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Explain the available renewable energies and the technology to harness them. | CO1 | 10 |
|  | b. | How Karunya students could contribute towards securing energy for the society? | CO3 | 10 |

ALL THE BEST