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

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

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| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1. |  | Describe the evolution of human societal needs. | CO2 | 20 |
| (OR) | | | | |
| 2. |  | Explain the social focus of Karunya University as reflected in its vision, mission and goals. | CO2 | 20 |
| 3. |  | List the significant innovations in water technology. | CO1 | 20 |
| (OR) | | | | |
| 4. |  | Outline the engineering disciplines for water security. | CO1 | 20 |
| 5. |  | Outline the key concepts of food security for society. | CO2 | 20 |
| (OR) | | | | |
| 6. |  | List the typical challenges faced in securing food for the society. | CO2 | 20 |
| 7. |  | Identify the important organizations involved in global and national health security. | CO2 | 20 |
| (OR) | | | | |
| 8. |  | Describe the most health-insecure sections of the society. | CO2 | 20 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Describe the principal users of energy in the society. | CO1 | 10 |
|  | b. | Explain the strategies for securing energy for the society. | CO3 | 10 |

ALL THE BEST