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



**End Semester Examination – Nov/Dec - 2017**

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|  |  |  |  |
| **Code :** | **13MS101** | **Duration :** | **3hrs** |
| **Sub. Name :** | **TECHNOLOGY FOR SOCIETAL NEEDS** | **Max. marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Q. No. |  | Questions | Course outcome | Marks |
| 1. |  | What are the difficulties in using conventional energy and advantages in renewable energy? | CO3 | 20 |
| (OR) | | | | |
| 2. |  | Explain International and national water crisis. | CO1 | 20 |
|  |  |  |  |  |
| 3. |  | Explain how water is wasted and can be saved. | CO1 | 20 |
| (OR) | | | | |
| 4. |  | List down and explain the four dimensions of food security. | CO1 | 20 |
|  |  |  |  |  |
| 5. |  | Explain the severity of food insecurity. | CO1 | 20 |
| (OR) | | | | |
| 6. |  | Explain the milestones in Biotechnology. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | How computers are used in Health Services? Explain. | CO1 | 20 |
| (OR) | | | | |
| 8. |  | What is renewable energy? What are the sources of renewable energy? | CO1 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | What is the vision and mission of Karunya University? How the research in Karunya addresses the social issues? | CO1 | 20 |

ALL THE BEST