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



**End Semester Examination – Nov / Dec – 2019**

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| --- | --- | --- | --- |
| **Code :** | **17BT2061** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BIOTECHNOLOGY AND ENVIRONMENT** | **Max. Marks :** | **100** |

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

|  |  |  |  |  |
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| **Q.**  **No.** |  | **Questions** | **Course Outcome** | **Marks** |
| 1. |  | Explain the types, causes and effects of soil pollution. | CO1 | 20 |
| **(OR)** | | | | |
| 2. |  | Outline the types, causes and effects of radioactive pollutions. | CO2 | 20 |
|  |  |  |  |  |
| 3. |  | Describe the aerobic methods of waste water treatment. | CO3 | 20 |
| **(OR)** | | | | |
| 4. |  | Elaborate on heavy metals and its health hazards. | CO3 | 20 |
|  |  |  |  |  |
| 5. |  | Explain in detail the stages of biogas production. | CO4 | 20 |
| **(OR)** | | | | |
| 6. |  | Discuss on the various methods of solid waste management. | CO4 | 20 |
|  |  |  |  |  |
| 7. |  | Give an account on hot spots and threats to biodiversity. | CO6 | 20 |
| **(OR)** | | | | |
| 8. |  | Enumerate on biodiversity conservation. | CO6 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | How microorganism is involved in bioremediation? Explain in detail. | CO5 | 20 |