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



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

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| **Code :** | **14BT2041** | **Duration :** | **3hrs** |
| **Sub. Name :** | **MOLECULAR FORENSICS** | **Max. Marks :** | **100** |

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

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| **Q. No.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | Elaborate the steps involved in a crime scene investigation. | CO1 | 20 |
| **(OR)** | | | |
| 2. | Interpret the structure and function of DNA as used in forensics. | CO1 | 20 |
|  |  |  |  |
| 3. | Discuss the organization of forensic science laboratories in detail. | CO2 | 20 |
| **(OR)** | | | |
| 4. | Explain the “*Examination Process*” in fingerprinting. | CO2 | 20 |
|  |  |  |  |
| 5. | Analyze the mystery of the “*Talking Skull*” and incriminate the perpetrator in your own words. | CO3 | 20 |
| **(OR)** | | | |
| 6. | Explain the role of an Anthropologist in forensic criminology. | CO3 | 20 |
|  |  |  |  |
| 7. | Summarize the DNA profiling techniques used in Pathology. | CO3 | 20 |
| **(OR)** | | | |
| 8. | Describe the sampling from various sources like blood, hair and skin and mention their significance to solve a crime. | CO2 | 20 |
|  |  |  |  |
|  | **Compulsory**: |  |  |
| 9. | Discuss the importance of gene sequencing in forensic science. | CO3 | 20 |