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



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

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| **Code :** | **17CA2048** | **Duration :** | **3hrs** |
| **Sub. Name :** | **COMPUTER FORENSICS** | **Max. Marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Describe identity theft in detail and state some common types of identity theft. | CO1 | 10 |
| b. | Discuss the advantages and disadvantages of digital media. | CO1 | 6 |
| c. | Write a short note on Peripheral. | CO1 | 4 |
| **(OR)** | | | | |
| 2. | a. | Briefly mention the four types of Occupational Crime. | CO1 | 10 |
| b. | Describe the various methods and techniques used to access victim’s personal information. | CO1 | 10 |
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| 3. | a. | Explain the advantages of NTFS over FAT. | CO4 | 8 |
| b. | Explain FAT file system and describe FAT - Table lay-out. | CO4 | 7 |
| c. | Convert the following:   1. Binary number 111101 to its equivalent hexa decimal. 2. Hexa Decimal 17ADE to its decimal equivalent. | CO4 | 5 |
| **(OR)** | | | | |
| 4. | a. | Write a detailed note on Forensic File Imaging. | CO2 | 7 |
| b. | Describe Sector, Cluster, Volume. | CO2 | 6 |
| c. | Discuss briefly about Unicode and explain its two mapping methods. | CO2 | 7 |
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| 5. | a. | List the steps involved in Computer Forensics. | CO3 | 5 |
| b. | Define and describe Seizure with an example. | CO3 | 5 |
| c. | Explain the cause for the data loss with an example. | CO4 | 5 |
| d. | Describe the process for acquiring data. | CO4 | 5 |
| **(OR)** | | | | |
| 6. | a. | Determine the best acquisition method. | CO4 | 10 |
| b. | Explain the following:   1. Preserving the data. 2. Establishing the chain of custody. | CO4 | 10 |
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| 7. | a. | Briefly describe write blocker and explain the two types of write blockers. | C5 | 10 |
| b. | Analyze digital evidence through the command line or in a GUI. | CO5 | 10 |
| **(OR)** | | | | |
| 8. |  | Explain the tasks performed by Computer Forensics Tools in detail. | CO3 | 20 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Define and describe recycle bin and its role in digital forensics. | CO6 | 10 |
| b. | Explain forgery and discuss briefly about its investigative procedures. | CO6 | 10 |