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

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**End Semester Examination – Nov/Dec – 2018**

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| **Code :** | **17CA3006** | **Duration :** | **3hrs** |
| **Sub. Name :** | **DIGITAL 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. | Write a short note on number system in context with digital forensic and list any two advantage of understanding number system. | CO1 | 5 |
| b. | Convert  i. 12321(10)=……..(2)  ii. 6675776(10)=…….(8) | CO1 | 5 |
| c. | Write a short note on Binary number system and its relation with digital forensics. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | Discuss briefly about Hex decimal number system and its relation with digital evidence. | CO1 | 10 |
| b. | Write the file signature of following file format.  i. PDF  ii. PNG  iii. JPEG  iv. TXT  v. DOC | CO1 | 5 |
| c. | Write a short note on file system and describe any one file system of Windows. | CO1 | 5 |
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| 3. | a. | Write a short note on Intrusion analysis. | CO2 | 10 |
| b. | Define hash Value. Discuss the different hash generation. | CO2 | 5 |
| c. | Discuss briefly about the different logs in Windows. | CO2 | 5 |
| (OR) | | | | |
| 4. | a. | Write a short note on Incident response if system is on. | CO2 | 10 |
| b. | Write a short not on Mobile forensics. | CO2 | 10 |
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| 5. | a. | Write a short note on Seizure Issues. | CO3 | 10 |
| b. | Write a short note on different network devices forensics. | CO3 | 10 |
| (OR) | | | | |
| 6. | a. | Discuss briefly about SSD and its difficulty in digital evidence acquisition in SSD. | CO3 | 10 |
| b. | List out the different location to find the evidence in Linux. | CO3 | 10 |
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| 7. | a. | Write any two elements of seven element security model. | CO4 | 5 |
| b. | Write a short note on data content. | CO4 | 5 |
| c. | Discuss briefly about digital systems developmental model | CO4 | 10 |
| (OR) | | | | |
| 8. | a. | Write a short note on following elements of seven element security model.  i. Entities  ii. Environment  iii. Organization | CO4 | 10 |
| b. | Discuss briefly about evidences interpretation. | CO5 | 10 |
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|  | | **Compulsory**: |  |  |
| 9. | a. | Write a short note on OSI model . | CO5 | 10 |
| b. | Write a short note on Knowing element of digital systems developmental model. | CO1 | 5 |
| c | Write a short not on DNS and its relation with digital forensics. | CO5 | 5 |