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

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

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| **Code :** | **17CS3038** | **Duration :** | **3hrs** |
| **Sub. Name :** | **CYBER 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. | Explain some incidents of cyber attacks with clear analysis of what is a cyber attack. | CO4 | 10 |
| b. | Who are cyber terrorists? | CO4 | 5 |
| c. | Discuss the *Modus Operandi* of a cyber terrorist. | CO4 | 5 |
| (OR) | | | | |
| 2. | a. | Analyze the forensics investigation, collection and examination methods for any known cyber crime case study. | CO2 | 18 |
| b. | Define Cyber Crime. | CO1 | 2 |
|  |  |  |  |  |
| 3. | a. | List and explain the types of hackers. | CO1 | 5 |
| b. | Categorize ten world famous hackers based on the types of hackers. | CO1 | 15 |
| (OR) | | | | |
| 4. |  | Examine the various techniques for hacking and the mechanisms to prevent hacking. | CO6 | 20 |
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| 5. | a. | List the steps to follow while implementing security for children while using the internet. | CO6 | 10 |
| b. | Explain security threats and illustrate response to security breach on a system for cyber related attacks. | CO2 | 10 |
| (OR) | | | | |
| 6. |  | Explain the threats and attacks possible in mobile and wireless technologies with case studies of digital evidence taken from mobile devices to comprehend an attacker. | CO5 | 20 |
|  |  |  |  |  |
| 7. | a. | List five real life examples of cyber crimes in the world. | CO1 | 5 |
| b. | Name five opensource and commercial forensic tools available in the market to analyze information. | CO3 | 5 |
| c. | Analyze a know cyber forensic tool with the explanation of the inputs and the related forensic output required for accessing a crime scenario. | CO3 | 10 |
| (OR) | | | | |
| 8. |  | Consider the case study given below.  A website which enables NRIs to send electronic products to their friends and relatives in India after they pay for it online has given a complaint regarding a huge purchase by a foreign citizen and paid by her credit card. The payment was duly cleared by the credit card agency and the transaction processed. The delivery was at a place in Noida. After following the relevant procedures of due diligence and checking, the company delivered the items.  At the time of delivery, the company took digital photographs showing the delivery being accepted by the receiver. The transaction closed at that, but after one and a half months the credit card agency informed the company that this was an unauthorized transaction as the real owner had denied having made the purchase.  Construct the forensic evidence collection scenario with case work and preservation of the evidence to documenting the whole procedure. | CO2 | 20 |
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|  | | **Compulsory**: |  |  |
| 9. |  | Summarize the myths surrounding the outsourcing of security for any Organization with legal constraints if any. | CO6 | 20 |