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



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

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| **Code :** | **18CS3042** | **Duration :** | **3hrs** |
| **Sub. Name :** | **ETHICAL HACKING** | **Max. Marks :** | **100** |

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| **Q. No.** | **Sub Div.** | **Questions** | **Course Outcome** | **Marks** |
| **ANSWER ANY FIVE QUESTIONS (5 x 16 = 80 Marks)** | | | | |
| 1. | a. | List the penetration testing process and activities. | CO2 | 6 |
| b. | Summarize the Organization for Internet Safety (OIS) for vulnerability disclosure of full disclosure, partial disclosure and non-disclosure. | CO1 | 10 |
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| 2. | a. | Summarize the methods for conducting a physical penetration testing on a real-time organization. | CO4 | 6 |
| b. | Elaborate the implementation of the feature in Metasploit that is used for continuing hidden attack on a compromised victim. | CO4 | 10 |
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| 3. | a. | Apply the IDA Pro disassembler tool on any known ‘C’ language program to perform the complete disassembling and analysis. | CO6 | 10 |
| b. | Elaborate fuzzing and examine the instrumented fuzzing tools and techniques. | CO6 | 6 |
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| 4. |  | Summarize the commands, methods and techniques used in Sully framework for the purpose of fuzzing. | CO2 | 16 |
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| 5. | a. | Explain the tools and methods for catching malware and also explain the initial analysis of malware. | CO3 | 10 |
| b. | Discuss the types of malware and the malware defensive techniques. | CO3 | 6 |
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| 6. |  | Analyze the working of windows access control with analysis of the vulnerabilities which can be used for exploitation. | CO2 | 16 |
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| 7. | a. | Elaborate “Melissa virus” and the cyber laws that can be applicable for the attacker deploying the virus. | CO5 | 10 |
| b. | Survey the types of honeynets. | CO6 | 6 |
| **COMPULSORY QUESTION (1 x 20 = 20 Marks)** | | | | |
| 8. |  | Summarize the vulnerabilities of android mobile platforms and suggest recommendations for developers to overcome them. | CO6 | 20 |