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

G:\logo and QP Template\logo 3 Feb 2018 final.tif

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

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| **Code :** | **17CA2051** | **Duration :** | **3hrs** |
| **Sub. Name :** | **MALWARE ANALYSIS AND SECURITY** | **Max. marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Discuss the difference between Malware and Virus. | CO2 | 10 |
| b. | Describe the methods to detect the presence of malware. | CO3 | 10 |
| (OR) | | | | |
| 2. | a. | Illustrate the potentially unwanted programs. | CO5 | 10 |
| b. | Discuss the possibilities of infection due to the use of USB drives. | CO6 | 5 |
| c. | Enumerate Malware Evolution. | CO1 | 5 |
|  |  |  |  |
| 3. | a. | Explain the components of a Virus. | CO3 | 10 |
| b. | Illustrate Trigger mechanism in detail. | CO4 | 10 |
| (OR) | | | | |
| 4. | a. | Explain the method of Brute force attack. | CO5 | 10 |
| b. | Illustrate Logic bomb and its activation triggers. | CO4 | 10 |
|  |  |  |  |  |
| 5. |  | Describe any four malware that created havoc in the past. | CO6 | 20 |
| (OR) | | | | |
| 6. | a. | Evaluate Polymorphic viruses and its propagation methods. | CO3 | 10 |
| b. | Discuss the methods for Anti-malware fighting over infection. | CO4 | 10 |
|  |  |  |  |  |
| 7. |  | Illustrate various methods of malware analysis. | CO5 | 20 |
| (OR) | | | | |
| 8. | a. | Describe Klez Virus and its variations. | CO2 | 10 |
| b. | Explain the infection methods of Ransomware Attack. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | List the various parameters which can provide awareness of malware infection to systems. | CO6 | 10 |
| b. | Illustrate the Anti-malware roles and responsibilities. | CO6 | 10 |