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



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

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| **Code :** | **17CA2049** | **Duration :** | **3hrs** |
| **Sub. Name :** | **FUNDAMENTALS OF INFORMATION SECURITY** | **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 the different types of Information Security controls with examples. | CO1 | 15 |
| b. | Describe the contents of a Security policy. | CO1 | 5 |
| **(OR)** | | | | |
| 2. | a. | Define the Information Security and Information Assurance. Explain their benefits. | CO1 | 10 |
| b. | Define Policy, Standard, Procedure and Guideline with an example each. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Describe the different types of hackers. | CO2 | 10 |
| b. | Write short note on Social Engineering and its types. | CO2 | 10 |
| **(OR)** | | | | |
| 4. | a. | Define Vulnerability. Explain the different types of vulnerabilities with examples. | CO2 | 10 |
| b. | Describe Malicious Code and explain the different types of malicious code. | CO2 | 10 |
|  |  |  |  |  |
| 5. | a. | Explain the different types of Information Security Assets with examples. | CO3 | 10 |
| b. | Describe the Information Life Cycle and explain security controls at the different stages in Information life cycle. | CO3 | 10 |
| **(OR)** | | | | |
| 6. | a. | Describe the different information classification systems with examples. | CO3 | 10 |
| b. | Discuss the need for classifying assets and its challenges. | CO3 | 10 |
|  |  |  |  |  |
| 7. | a. | Discuss the Risk Assessment methodologies in detail. | CO4 | 10 |
| b. | List the various types of Risk and compare the thread and vulnerability in detail. | CO4 | 10 |
| **(OR)** | | | | |
| 8. |  | Describe the Information Security Risk Management process in detail with an illustration. | CO4 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | State the different domains of ISO27001:2013. Explain each of the domains briefly. | CO5 | 20 |