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



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

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| **Code :** | **17CA2062** | **Duration :** | **3hrs** |
| **Sub. Name :** | **INFORMATION SECURITY MANAGEMENT SYSTEM STANDARDS** | **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. | Define an asset. Explain the types of assets with examples. | CO1 | 10 |
| b. | Discuss Information Security as a Management system. | CO1 | 5 |
| c. | Describe the type of controls to treat Risks. | CO1 | 5 |
| **(OR)** | | | | |
| 2. | a. | Define and explain the following with appropriate examples.   1. Identity 2. Authentication 3. Authorization | CO1 | 2  4  4 |
| b. | Explain the Security Policy Framework with an illustration. | CO1 | 5 |
| c. | Discuss the approaches to Risk assessment. | CO1 | 5 |
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| 3. | a. | Explain Policy, Standard, Procedure and Guideline. State the considerations when framing policies, standards, procedures and guidelines. | CO2 | 15 |
|  | b. | Write a short note on Data protection. | CO2 | 5 |
| **(OR)** | | | | |
| 4. | a. | Discuss in detail the the Information Security Incident Management program. | CO2 | 15 |
| b. | Write a short note on ISO27001:2013’s guidance on Legal and Contractual requirements. | CO2 | 5 |
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| 5. | a. | Discuss in detail User Access Controls. | CO3 | 15 |
| b. | Write a short note on Biometric Access control. | CO3 | 5 |
| **(OR)** | | | | |
| 6. | a. | Explain data protection by means of information classification. | CO3 | 15 |
| b. | Write short note on Role Based Access Control (RBAC). | CO3 | 5 |
|  |  |  |  |  |
| 7. | a. | Discuss the security issues when selecting a cloud supplier. | CO4 | 10 |
| b. | List down the ways to promote correctness of input and accuracy of stored data. | CO4 | 10 |
| **(OR)** | | | | |
| 8. | a. | Write a short note on Active content. | CO4 | 5 |
| b. | Contrast Vulnerability Assesment and Penetration testing. | CO4 | 5 |
| c. | Describe the problems of mobile and telecommunication services and its protection mechanisms. | CO4 | 10 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Describe the procedure for Secure disposal of information assets. | CO5 | 10 |
| b. | Explain Escrow and discuss the need for an Escrow facility. | CO5 | 5 |
| c. | Differentiate between Business Continuity Planning and Disaster Recovery. | CO5 | 5 |