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

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

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| **Code :** | **17CA3005** | **Duration :** | **3hrs** |
| **Sub. Name :** | **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 properties of Information security with an appropriate illustration and examples. | CO1 | 5 |
| b. | Explain the various components of information security with an illustration demonstrating their relationship. | CO1 | 15 |
| (OR) | | | | |
| 2. | a. | Explain Security policy, Security mechanism and Security assurance with an analogy. | CO1 | 5 |
| b. | Explain with examples the different controls of Security mechanism. | CO1 | 15 |
|  |  |  |  |  |
| 3. | a. | Write a short note on various types of Hackers. | CO2 | 10 |
| b. | Write a short note on Malicious code. | CO2 | 10 |
| (OR) | | | | |
| 4. | a. | Write a short note on Social Engineering and its types. | CO2 | 5 |
| b. | Discuss in detail about the components of risk | CO2 | 15 |
|  |  |  |  |  |
| 5. | a. | Write a short note on Roles and responsibilities of Information Assets. | CO3 | 5 |
| b. | Describe the “Information Asset Classification’ process in detail. | CO3 | 15 |
| (OR) | | | | |
| 6. | a. | Write a short note on ‘Retention’ and ‘Disposal’ of Information Assets. | CO3 | 5 |
| b. | Discuss in detail the criteria for ‘Information Asset classification’. | CO3 | 15 |
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| 7. | a. | Distinguish between ‘Threat’, ‘Risk’ and ‘Vulnerability’ | CO4 | 5 |
| b. | Discuss in detail the process of ‘Information Risk Management’. | CO4 | 15 |
| (OR) | | | | |
| 8. | a. | Discuss in detail the ‘Risk Treatment’ methods. | CO4 | 15 |
| b. | Discuss briefly on ‘Risk Appetite’. | CO4 | 5 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | List out ‘Information Security Domains’? Explain ‘Business Continuity Management’ in detail. | CO5 | 20 |