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

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

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| **Code :** | **17CA3021** | **Duration :** | **3hrs** |
| **Sub. Name :** | **E-MAIL 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 how E-mail system works? Illustrate the functionality with a diagram. | CO1 | 15 |
| b. | Explain in brief the Security safeguards that are to be deployed in securing the E-mail infrastructure. | CO1 | 5 |
| (OR) | | | | |
| 2. | a. | Explain proliferation of Mobile and Wireless Devices. | CO1 | 10 |
| b. | Explain the types of Mobiles and wireless devices and their functionalities. | CO1 | 10 |
|  |  |  |  |  |
| 3. |  | Discuss in detail the functioning of PGP. | CO2 | 20 |
| (OR) | | | | |
| 4. |  | Discuss in detail the functions of S/MIME. | CO2 | 20 |
|  |  |  |  |  |
| 5. | a. | Relate the CIA triad in relation to mobile phone security with examples. | CO3 | 05 |
| b. | Explain briefly the GSM Network service codes. | CO3 | 15 |
| (OR) | | | | |
| 6. | a. | Discuss in detail the mobile phone codes. | CO3 | 10 |
| b. | Discuss mobile phones catalog functionality. Explain how attackers can exploit the functionality. | CO3 | 10 |
|  |  |  |  |  |
| 7. |  | Discuss in detail the process of Mobile phone evidence collection and analysis. | CO4 | 20 |
| (OR) | | | | |
| 8. |  | Discuss in detail the various files present in the SIM card. | CO4 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Explain the various E-mail message headers related E-Mail forensics | CO5 | 20 |