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

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

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| **Code :** | **18CS3067** | **Duration :** | **3hrs** |
| **Sub. Name :** | **NETWORK SECURITY** | **Max. Marks :** | **100** |

**ANSWER ANY FIVE QUESTIONS (5 x 16 = 80 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Explain the three D’s of security. | CO1 | 12 |
| b. | Comment on the five step program of security strategy. | CO1 | 4 |
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| 2. | a. | Give the important properties of public key cryptography. | CO2 | 6 |
| b. | Discuss on Non- repudiation. | CO2 | 5 |
| c. | Write notes on SSL and TSL. | CO2 | 5 |
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| 3. | a. | Evaluate the VPN protocols. | CO3 | 8 |
| b. | Explain the IEEE 802.11 standard. | CO3 | 8 |
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| 4. | a. | Discuss briefly the Substitution Cipher. | CO4 | 6 |
| b. | Explain in detail the four cryptographic primitives. | CO4 | 10 |
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| 5. | a. | Discuss the Principles of Steganography. | CO2 | 10 |
|  | b. | Compare Steganography with Digital water marking. | CO2 | 6 |
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| 6. | a. | Comment on the Web Application Security. | CO5 | 8 |
| b. | Discuss the issues to be aware of, while writing secure software. | CO5 | 8 |
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| 7. | a. | Compare and contrast the Lollipop with Onion defense models. | CO1 | 8 |
| b. | List any four factors for choosing a secure site location and explain them. | CO1 | 8 |
| **COMPULSORY QUESTION (1 x 20 = 20 Marks)** | | | | |
| 8. | a. | Discuss any four common attacks of networks and their resources. | CO6 | 8 |
| b. | Explain any four software related issues. | CO6 | 4 |
| c. | List out and discuss the tasks of computer incident response team (CIRT). | CO6 | 4 |
| d. | How do honeypots are effective in preventing attacks? Explain. | CO6 | 4 |