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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – Nov/Dec– 2017**

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| **Code :** | **14CS3075** | **Duration :** | **3hrs** |
| **Sub. Name :** | **WIRELESS 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. | Summarize the kinds of attackers on the network and their motivations. | CO3 | 15 |
| b. | Identify the dangers in passive monitoring. | CO2 | 5 |
| (OR) | | | | |
| 2. | a. | Classify the attacks and their implications on the network. | CO3 | 10 |
| b. | Explain the traditional security architecture. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Compare and contrast Open authentication and WEP authentication in the original IEEE 802.11 standard. | CO2 | 5 |
|  | b. | Describe Remote Access Dial-In User Service (RADIUS). | CO1 | 15 |
| (OR) | | | | |
| 4. | a. | Differentiate default key from key mapping key in WEP. | CO2 | 10 |
|  | b. | Describe the importance of Access Control. | CO3 | 10 |
|  |  |  |  |  |
| 5. |  | Describe the usages of various tickets in Kerberos with appropriate diagrams. | CO1 | 20 |
| (OR) | | | | |
| 6. | a. | Express the computation of pairwise master key and temporal keys in IEEE 802.11 with neat sketch. | CO3 | 10 |
|  | b. | Describe Protected EAP Protocol (PEAP). | CO1 | 10 |
|  |  |  |  |  |
| 7. | a. | Summarize IBSS Ad-Hoc Networks in the context of security. | CO3 | 10 |
|  | b. | Explain the basic security mechanisms used in effective security architecture. | CO1 | 10 |
| (OR) | | | | |
| 8. | a. | List and explain the methods to establish a man-in-the-middle attack in a wireless network. | CO3 | 10 |
|  | b. | Enumerate the security issues in public hotspots. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Describe the Bluetooth security architecture. | CO1 | 20 |

ALL THE BEST