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



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

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|  |  |  |  |
| **Code :** | **17CA2063** | **Duration :** | **3hrs** |
| **Sub. Name :** | **MOBILE COMPUTING** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** |  | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Illustrate the history of mobile computing devices and list the functions and characteristics of mobile computing devices. | CO1 | 20 |
| **(OR)** | | | | |
| 2. |  | Draw and discuss mobile computing architecture and state standards used for mobile computing. | CO2 | 20 |
|  |  |  |  |  |
| 3. |  | Discuss Frequency division multiple access (FDMA) with a diagram and illustrate its advantage and disadvantage over other multiple access methods. | CO3 | 20 |
| **(OR)** | | | | |
| 4. |  | Explain Time division multiple access (TDMA) with a diagram and illustrate its advantage and disadvantage over other multiple access methods. | CO4 | 20 |
|  |  |  |  |  |
| 5. |  | Describe General Packet Radio Service (GPRS) with architecture diagram. Discuss briefly the components of GPRS and illustrate its difference from Global System for Mobile Communication (GSM). | CO4 | 20 |
| **(OR)** | | | | |
| 6. |  | Illustrate briefly about Network switching system (NSS). Discuss relationship of Global System for Mobile Communication (GSM) with NSS. | CO4 | 20 |
|  |  |  |  |  |
| 7. |  | State Android Security Model. Illustrate in detail its components and function of each components with diagram. | CO5 | 20 |
| **(OR)** | | | | |
| 8. |  | Discuss IOS Security Model. Illustrate in detail its components and function of each components with diagram. | CO5 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | State Mobile Network Portability and its characters. Illustrate relationship of modern network function on Mobile Network Portability. | CO6 | 20 |