

S.B. Roll No.....

**WIRELESS AND MOBILE COMMUNICATION**  
**6<sup>th</sup> Exam/ECE/ETV/ECE-II/0761/8164/May'18**

**Duration: 3Hrs.**

**M.Marks:75**

**SECTION-A**

**Q1. Do as directed.**

**10x1.5=15**

- a. FDMA stands for.....
- b. Radio waves are ..... Radiation that is capable of being used for communication.
- c. RFID stands for .....
- d. The transmission power of Bluetooth is up to ..... MW.
- e. In Pico cell, cell size varies from .....
- f. GPRS stands for .....
- g. Paging system is a..... Way communication.
- h. Long distance wave radio broadcasting uses ..... Wave.
- i. AMPS stand for .....
- j. Each FDMA used is assigned a specific .....

**SECTION-B**

**Q2. Attempt any five questions.**

**5x6=30**

- i. What are the advantages of wireless communication?
- ii. Explain the Wi-Fi system.
- iii. Give the comparison of FDMA, TDMA and CDMA.
- iv. Explain spread spectrum multiple access system.
- v. Explain the basic concept of Doppler Effect.
- vi. Write a short note on co-channel interface.

**SECTION-C**

**Q3. Attempt any three questions.**

**3x10=30**

- a. Explain the cordless telephone system.
- b. Write a short note on i) cell sectoring ii) blue tooth
- c. Explain the working of AMPS phone system.
- d. Explain GSM architecture in detail.