

Seat No.	
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**B.E. (E & TC) (Part - IV) (Semester - VII) (Old)
Examination, November - 2017**

WIRELESS COMMUNICATION (Pre Rev)

Sub. Code : 47927

Day and Date : Monday, 13 - 11 - 2017

Total Marks : 100

Time : 02.30 p.m. to 05.30 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks.

SECTION - I

Q1) Attempt any two

[2 × 8 = 16]

- a) What is WLL? Explain in detail.
- b) Explain the concept of frequency reuse.
- c) Compare 2G and 3G wireless network.

Q2) Attempt any two

[2 × 8 = 16]

- a) Explain in detail two - ray ground reflection model.
- b) Explain diffraction and scattering in mobile radio propagation.
- c) Write a note on Fading effects due to Doppler spread.

Q3) Attempt any two

[2 × 9 = 18]

- a) Derive the equation for free space propagation model.
- b) Explain Small - Scale multipath measurements.
- c) Explain in detail Rayleigh & Ricean distribution.

P.T.O.

SECTION - II

Q4) Attempt any two

[2 × 8 = 16]

- a) Compare FDMA & TDMA.
- b) Explain any two spread spectrum multiple access.
- c) Discuss signalling system 7.

Q5) Attempt any two

[2 × 8 = 16]

- a) Explain Global System for mobile
- b) Explain IEEE - 802.11 standards.
- c) Explain DECT functional concept.

Q6) Write a note on any three

[3 × 6 = 18]

- a) Personal Communication Services.
- b) ISDN
- c) X.25 Protocol
- d) Network access protocol.

