

Total No. of Questions :6]

SEAT No. :

P289

Oct./BE/Insem. - 607

[Total No. of Pages : 2

**B. E. (Information Technology)
WIRELESS COMMUNICATIONS**

(2015 Pattern) (Semester - I) (Elective-I (A))

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume suitable data if necessary.*

Q1) a) List and explain generations of mobile. **[4]**

b) What is WLAN? Explain it in details. **[6]**

OR

Q2) a) Explain advantages and disadvantages of wireless communications? **[4]**

b) Differentiate between Bluetooth and Wireless LAN **[6]**

Q3) a) What do mean by handoff? Explain any one handoff strategy? **[4]**

b) Define Grade of Service? What are types of Trunked Systems? Explain its types in details. **[6]**

OR

Q4) a) Explain the concept of frequency reuse for cellular communication systems. **[4]**

b) Differentiate between Cell Splitting and Cell Sectoring. **[6]**

P.T.O.

Q5) a) What do you mean by Propagation? Explain basic propagation methods for mobile communication. [4]

b) What do you mean by fading? Explain the effects of multipath fading. [6]

OR

Q6) a) Write a short note on : any one small-scale Multipath Measurements. [4]

b) Write a short note on : any two Basic Propagation Mechanism. [6]

