

Total No. of Questions : 4]

SEAT No. :

PC243

[6361]-109

[Total No. of Pages : 1

B.E. (Information Technology) (Insem)

WIRELESS COMMUNICATIONS

(2019 Pattern) (Semester -VII) (Elective - IV) (414445D)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answers: Q.1 or Q.2 and Q.3 or Q.4.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data if necessary.*

- Q1)** a) List and compare different types of wireless communication system.[5]
b) Briefly explain the different generation of cellular systems (Any two) [5]
c) Describe working of Infrared communication in details. [5]

OR

- Q2)** a) Write a short note on types of wireless communication [5]
b) Describe types of Satellite Communication? Elaborate working of Satellite Communication in details [5]
c) Describe in detail Microwave communication [5]

- Q3)** a) Explain Microcell Zone Concept. [5]
b) Explain in detail a handoff scenario at cell boundary [5]
c) Elaborate the concept of Cellular system in brief [5]

OR

- Q4)** a) Write a short note with diagram of Cell and Cell Geometry. [5]
b) Explain different features of LTE technology [5]
c) Explain LTE Protocol Model [5]

