

Total No. of Questions : 4]

SEAT No. :

P8986

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Oct-22/BE/Insem-113

B.E. (Information Technology)

WIRELESS COMMUNICATION

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

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, 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) Explain any three types of wireless communications system. [9]
b) Compare Cellular Network Generations-1G, 2G, 3G. [6]

OR

- Q2)** a) Explain advantages and disadvantages of wireless communication. [5]
b) Explain in detail 3G Cellular System. [5]
c) Explain in detail working of Satellite Communication. [5]

- Q3)** a) With neat diagram explain the concept of cell and hexagonal geometry for cell. [8]
b) What is Handoff? Explain Handoff strategies in detail. [7]

OR

- Q4)** a) Explain concept of cell sectoring and cell splitting. How it improves cellular system's performance? [5]
b) Explain concept of frequency reuse, its advantages and problems. [5]
c) Explain Fixed Network Transport Protocols. [5]

