

Total No. of Questions : 6]

SEAT No. :

P407

[Total No. of Pages : 2

BE/Insem/APR-64
B.E.(E & TC Engg.)
WIRELESS NETWORKS

(2012 Pattern) (Semester - II) (Elective - IV) (Theory)

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 indicate full marks.*
- 4) *Use of logarithmic tables slide rule, mollier charts, electronic pocket calculator and steam tables is allowed.*
- 5) *Assume suitable data if necessary.*

- Q1)** a) Explain in short history and growth of mobile communication. [7]
b) List advantages and disadvantages of Bluetooth Technology. [3]

OR

- Q2)** a) Explain with neat diagram concept of Handoff. Describe the various types of Handoffs. [7]
b) Draw the basic GSM network architecture. [3]

- Q3)** a) List various WLAN architectures. Explain any one in detail. [7]
b) What is the importance of VPN? [3]

OR

- Q4)** a) Discuss in short SOHO, Enterprise and campus Wi-Fi configurations with the help of neat diagrams. [7]
b) Compare FHSS and DSSS. [3]

P.T.O.

- Q5)** a) Differentiate between R3, R4 and R5 3GPP Network architectures. [7]
b) What is TD - SC-DMA? [3]

OR

- Q6)** a) Draw and explain UMTS system architecture. [7]
b) Compare 3G technology with 4G technology. [3]

