

Total No. of Questions : 6]

SEAT No. :

P 1265

[Total No. of Pages : 2

APR - 18/BE/Insem - 57

B.E. (E&Tc Engg.) (Semester - II)

Elective - IV (Theory)

Wireless Network

(2012 Pattern)

Time : 1 Hour]

[Max. Marks :30

Instructions to the candidates:

- 1) Answer Q1. or Q.2, Q3 or Q4 and Q5 or Q6.
- 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) Draw and explain GSM architecture. [7]

b) Compare cable system with wireless system. [3]

OR

Q2) a) Compare WiFi and bluetooth technology enlist applications of each. [7]

b) Explain concept of Roaming. [3]

Q3) a) Write a short note on FHSS. and compare with DSSS. [7]

b) List IEEE 802.XX Wireless standards. [3]

OR

Q4) a) Explain in detail IEEE 802.11 security. [7]

b) Compare Infrastructure and Adhoc mode WLAN architectures. [3]

P.T.O

- Q5)** a) Draw the layered architecture of WCDMA and explain in detail the functionality of RLC layer. [7]  
b) What is MSC? Explain its function in short. [3]

OR

- Q6)** a) Draw and explain the system architecture of the 3GPP Release 5. [7]  
b) List advantages of 3G network. [3]

