P 1265

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]**

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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]**

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