Chapter 1 : Introduction **1-1 to 1-38**

Syllabus : Transmission Fundamentals : Signals for Conveying Information, Analog and Digital Data Transmission, Channel Capacity, Transmission Media, Multiplexing.

Communication Networks : LANs, MANs and WANs, Switching Techniques : Circuit switching, Packet switching.

Syllabus : Multiple access in Wireless System : Multiple access scheme, Frequency division multiple access, Time division multiple access, Code division multiple access, Space division multiple access, Packet radio access, Multiple access with collision avoidance.

Syllabus : Global system for mobile communication : Global system for mobile communication, GSM architecture, GSM entities, Call routing in GSM, PLMN interface, GSM addresses and identifiers, Network aspects in GSM, GSM frequency allocation, Authentication and security.

General packet radio service (GPRS) : GPRS and packet data network, GPRS network architecture, GPRS network operation, Data services in GPRS, Applications of GPRS, Billing and charging in GPRS.

Syllabus : Android APIs, Android Architecture, Application Framework, The Application components, The manifest file,

Downloading and installing Android, Exploring the Development Environment, Developing and Executing the first Android application, Working with Activities, The Linear Layout , The Relative Layout, The Scroll

View Layout, The Table Layout, The Frame Layout, Using the Text View, Edit Text View, Button View,

Radio Button, Checkbox, Image Button, Rating Bar, The options Menu, The Context Menu.

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