**Important Questions for MID\_1**

Wirte short notes on spread spectrum.

Write short notes on the. A)Handover. B) Security. C) Authentication**.**

Explain about DECT

Explain the different frequence bands of radio transmission

Explain about architecture of GSM and Its services,with a neat diagram

Explain about GPRS architecture reference model**.**

What is multiplexing. Explain different multiplexing techniques with a neat Sketch.

Explain different multiple access techniques.

**Objective**

The GSM Provides three different categories of servies they are

**Bearer Services, Tele Services, Supplementary Services**

The most Successful digital mobie system in present generation is **Global System for mobile Communication.**

**Mobile Services Switching Center** forms the fixed back bone network of GSM System.

The **Radio interface** comprises many mechanisms for multiplexing and media access.

The GMS using confidential information stored in the **AUC** and in the individual **SIM**

**HSCSD** only requires software ugrades in a Mobile Station (MS)

the architecture introduces two new network elements which are called **GPRS**

the DECT stand for **Digital Enhanced Cordless Telecommunication.**

**Medicum Access Control Layer** is establishes maintains and releases channels for higher layers by activating and deactineting physical channels

**UMTS (Universal Mobile Telecommunication Sysytem)** represents an evolutonn from the second generation GSMsyatem to the third generation syatem

**IMT-2000** tries to establish a world wide communication system which allows terminal portability and user mobility

**Data Link Cotrol Layer** create and maintaining reliable connection between the mobile terminal and base station