

- (b) Explain Sub-band Coding in detail. **6**
- (c) Discuss diffraction effect on wireless communication. **2**
- Q-5** **Attempt all questions** **(14)**
- (a) Write a note on 3G CDMA 2000
- (b) Explain in detail LPC vocoders with block diagram.
- Q-6** **Attempt all questions** **(14)**
- (a) Write a short note on GSM codec.
- (b) Explain Frequency Reuse technique for wireless systems.
- Q-7** **Attempt all questions** **(14)**
- (a) Explain in detail with diagram Cell Splitting technique.
- (b) Write a short note on Packet Radio.
- Q-8** **Attempt all questions** **(14)**
- (a) Explain DECT Architecture
- (b) Explain GSM architecture with diagram in detail.

