

## **Tutorial 1 - Introduction**

1. Draw the block diagram of a radio broadcasting system and describe the functions of each block.
2. Draw the block diagram of a digital communication system and describe the function of each block.
3. Explain the difference between analog and digital communication systems.
4. What are the two main causes of signal degradation in the communication channel of a digital communication system? How does this signal degradation affect the recovery the original data in the digital receiver?
5. Explain why digital communications is preferred over analog communications.
6. Name some common devices that use source coding and channel coding techniques.