

Wireless Communication MCQ Quiz Questions and Answers Pdf

1. The modulation scheme used in GSM is

- a. Frequency shift keying
- b. Phase shift keying
- c. Gaussian minimum shift keying
- d. Amplitude shift keying

Ans: C

2. In satellite communication, Faraday rotation is caused by

- a. Plasma frequency
- b. Earth's magnetic field
- c. Non-Gaussian nature of uplink noise when received in the downlink channel
- d. Ionospheric reflections that occur multiple times

Ans: B

3. Satellites used for international communication are known as

- a. Costas
- b. Domsat
- c. Marisat
- d. Intelsat

Ans: D

4. A Ruby Maser is considered to be superior to an Ammonia Maser because of

- a. Higher power output
- b. Low signal to noise ratio
- c. Greater bandwidth
- d. Low amplification factor and low noise levels

Ans: D

5. An optical fibre has refractive index core

- a. High and low refractive index cladding
- b. Low and high refractive index cladding
- c. Uniform surrounded by variable index cladding

- d. Variable with refractive index increases from low at the centre to high the junction with cladding

Ans: A

6. Polarization mode dispersion (PMD) is mainly observed in

- a. Multiple step index fiber
- b. Single mode fiber
- c. Multimode graded index fiber
- d. Plastic fiber

Ans: B

7. Light travels along the optical fibres by which mechanism?

- a. Refraction
- b. Reflection
- c. Scattering
- d. Total internal reflection

Ans: D

8. Which one of the following is capable of giving the highest data speed?

- a. Coaxial cable link
- b. Microwave LOS link
- c. Microwave satellite system
- d. Optical fibre system

Ans: D

9. The main disadvantage of using coaxial cable for microwave signals is its

- a. Low selectivity
- b. Low distortion
- c. High attenuation
- d. High sensitivity

Ans: C

10. In a microwave relay communication the repeater is usually an amplifier for the amplification of

- a. Carrier signal
- b. Baseband signal
- c. Amplitude modulated IF signal
- d. Frequency modulated IF signal

Ans: B

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