

**BITT POLYTECHNIC, RANCHI**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION**  
**ENGINEERING**  
**Mobile Communications**

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**OBJECTIVES QUESTIONS –  
MOBILE COMMUNICATION**

1. Which of the following is/are the main part(s) of basic cellular system?

- A) A mobile Unit
- B) A cell Site
- C) A mobile Telephone Switching Office
- D) All of the above

**Answer : D**

2. Fading of the received radio signals in a mobile communication environment occurs because of.....

- A) Direct propagation
- B) Multipath Propagation
- C) Bi-path Propagation
- D) None of the above

**Answer : B**

3.State whether True or False.

- i) The cells or subdivisions of a geographical area are always hexagonal.
- ii) A land to Mobile call originates through the Telephone exchange.

- A) True, False
- B) False, True
- C) False, False
- D) True, True

**Answer : B**

4. In ..... Frequency Spectrum is divided into smaller spectra and is allocated to each user.

- A) TDMA
- B) CDMA
- C) FDMA
- D) FGMA

**Answer : C**

5. In ..... multiple access is achieved by allocating different time slots for the different users.

- A) TDMA
- B) CDMA
- C) FDMA
- D) FGMA

**Answer : A**

6. State whether True or False.

- i) In GSM only TDMA is used.
  - ii) There is zero inter-channel interference in CDMA.
- A) True, False
  - B) False, True
  - C) False, False
  - D) True, True

**Answer : C**

7. The basic GSM is based on \_\_\_\_\_ traffic channels.

- A) Connection oriented.
- B) Connection less.
- C) Packets switching.
- D) Circuits switching.

**Answer : A**

8 .....are typically characterized by very small cells, especially in densely populated areas.

- A) 2Gsystem.
- B) 3Gsystem.
- C) 2.5Gsystem.
- D) 3.5Gsystem.

**Answer : C**

9. A antenna which attempts to direct all its energy in a particular direction is called as a.....

- A) Directional Antenna
- B) One to One Antenna
- C) Propagation Antenna

D) Single Direction Antenna

**Answer : A**

10. Which mode is used for installing networks in wireless communication device characteristics?

- A) Fixed and wired.
- B) Mobile and wired.
- C) Fixed and wireless.
- D) Mobile and wireless.

**Answer : C**

11. Wireless LANs implement security measures in the

- A. System Layers.
- B. Data Link Layers.
- C. Sub Layers.
- D. Multi Layers.

**Answer : B**

12. Specifications for a wireless LAN are called

- A. Standard 802.3z.
- B. Standard 802.3u.
- C. Project 802.3.
- D. IEEE 802.11.

**Answer : D**

13. In wireless LAN, there are many hidden stations so we cannot detect the

- A. Frames.
- B. Collision.
- C. Signal.
- D. Data.

**Answer : B**

14. Term that is used for stationary or mobile wireless station and also have optional central base station is called

- A. Point topoint.
- B. Multipoint.
- C. Network point.
- D. Access point.

**Answer : D**

15. Wireless communication is started in A.1869.

- B. 1895.
- C. 1879.
- D. 1885.

**Answer: B**