

## **IMPORTANT QUESTIONS – WIRELESS COMMUNICATION**

### **SECTION-A**

1. Explain the process of making a call to Cellular Mobile user.
2. Compare various wireless systems and explain which one is the best.
3. Write a Note on: Bluetooth and WLL.
4. Explain the paging system with the help of block diagram.
5. Compare various wireless systems and explain which one is the best
6. Compare the characteristics of 2nd and 3rd generation Wireless Networks.

### **SECTION-B**

7. What are different Handoff Strategies? Also explain what is MAHO.
8. Explain different types of channel assignment strategies.
9. What is basic cellular system? Explain with the help of block diagram.
10. Write a note on performance criteria of mobile system.
11. Explain different techniques for improving Coverage and Capacity
12. Explain Trunking and Grade of Service of cellular system.
13. Compare features of Digital and Analog cellular Systems.

### **SECTION-C**

14. Explain features and frame structure of TDMA in detail.
15. What are various spread spectrum multiple access techniques?
16. Explain different traffic Routing Techniques in wireless networking.
17. What are different wireless data services?
18. Explain TDMA and FDMA. Compare them on the basis of their advantages.
19. Compare principle and throughput of Slotted and Pure ALOHA.
20. What is fixed network transmission Hierarchy?

### **SECTION-D**

21. Explain CCS Network Architecture. What is SS7?
22. Draw the architecture of ISDN and explain its working.
23. What is Intelligent Cell Concept? Explain its in-building application.
24. Explain ISDN with its working. How ISDN is useful in wireless communication.
25. What are various advantages of intelligent microcell system?
26. What is micro cell? Mention some limitations of wireless networking.