

UNIT III
CELLULAR NETWORKS

PART A

1. Define Cellular Networks.
2. List the Features of Cellular Systems
3. What is meant by GSM?
4. What is CDMA?
5. Explain GPRS.
6. Define UMTS.
7. What is 4G LTE?
8. How fast is 4G LTE? and its types.
9. What is LTE?
10. Define OFDM.
11. What is 5G?
12. What are the benefits of 5G?
13. Difference between 5G vs. 4G
14. List the 5G requirements.
15. What is M2M communication?
16. List the key requirements of M2M communication.
17. What are the Goals of GPRS?
18. List the GPRS characteristics.

PART B

1. Explain in detail about GSM Architecture.
2. Explain GPRS Architecture.
3. Explain UMTS Architecture and its core architecture.
4. Explain 4G LTE, Intra LTE mobility.
5. OFDM schemes and Explain OFDM principles with neat sketches.
6. Explain 5G networks and devices.
7. Infer M2M Communication.