

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY

QUESTION BANK

Unit Test-II (Shift:-I & II)

Program: - EJ

Semester: - V

Course: MWC(315339)

Name of Subject: Mobile and wireless communication. (MWC)

Chapter 3 : Fundamental of 4G Communication (5 marks)

2 Marks.

1. Define MIMO.
2. Define beamformig
3. List types of LTE network
4. State roll of enodeB
5. State the types of MIMO systems

4 Marks

1. Explain the call flow sequence in GSM.
2. Draw architecture of LTE network.
3. Explain the roll of MME and PGW.
4. State any 4 benefits of massive MIMO.

Chapter 4: introduction of 5G Technology (18 marks)

2 Marks

1. list 5G service providers .
2. list 5G network slicing types .
3. State features of 5G.
4. list 5G enabled technologies .

4 Mark

1. Draw 5G network architecture .
2. Compare 4Gand 5G.
3. State the functions of AMF,SMF in 5G network
4. Compare 5G radio spectrum with any four points
5. State the feature s of IMT 2020 standards.

Chapter 5: Recent Wireless network technologies and applications (12 marks)

2 Marks

1. State any four features of Bluetooth.
2. State applications of Wifi.
3. State any 4 NFC services.
4. State types of wireless network technologies.

4 Marks

1. Explain WLAN or WIFI with architecture
2. Compare Bluetooth classic and BLE.
3. Compare Wifi and Bluetooth.
4. Explain V2V communication with diagram
5. Explain IOT application
6. Draw architecture of bluetooth explain it
7. Compare IEEE 802.11a and IEEE 802,11g