



Mid Term I June, 2022

Course: B.Tech

Branch: CSE

Semester: IVth

Subject: Wireless

Subject Code: CSL0463

Time: 1:30

Max Marks: 30

Answer all questions. Each question carries equal marks.

Q.1 (a) What is conventional mobile system? Write about history of mobile telephone. 3

(b) Explain Basic architecture of cellular telephony. 3

Or

(a) List advantages and problems associated with cellular system. 3

(b) What is frequency reuse concept in cellular system 3

Q.2 Write a detailed note on cellular network sectorization 6

Or

(a) Write note the other capacity or signal improvement techniques. 3

What is interference? Write about co channel and adjacent channel interference 3.

Q.3 (a) Explain what is fading and list the various types of fading. 3

(b) Explain the factors influencing small scale fading. 3

Write a detailed note on Impulse response model of multipath channel. 6

Q.4 Write a detailed note on architecture of GSM system. 6

OR

What is SIM? Write a detailed note on GSM distinct features 6

Q.5 Explain GSM layer architecture. and also mention the work of every layer with diagram. 6

OR

Write note on,

(a) Calling in GSM system 3

(b) Types of handover in GSM 3