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SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

ROLL No: [   ]

Total number of pages:[1]

Total number of questions: 05

M.Tech. || ECE || 3rd Sem
Wireless and Mobile Communication
Subject Code: EC-520

Time allowed: 3 Hrs   **Max Marks: 100**

Important Instructions:
- **Attempt all questions**
- **Each question carries 20 marks**

Q. 1.   Explain architecture of TCP/IP model.   COa

OR

Describe transmission fundamentals in detail.   COa

Q. 2.   What are the designing parameters of an antenna? Differentiate between   COb
different types of propagation and their applications?

OR

Explain encoding techniques in detail.   COb

Q. 3.   Explain the working of WLL system.   COc

OR

Explain and design a digital satellite communication system.   COc

Q. 4.   What are different IEEE 802.11 LAN standards? Explain the physical   COd
properties of IEEE 802.11 LAN standards.

OR

Compare wired LAN and wireless LAN.   Cod

Q. 5.   Explain in detail the logical channels of GSM network? How is it modified to   COd
provide GPRS services?

OR

Explain CDMA architecture and its applications.   COd