



Course Outcome	Bloom's K-level	Q. No.	<b>SECTION - B (5 X 5 = 25 Marks)</b> <b>Answer ALL Questions choosing either (a) or (b)</b>
CO1	K3	11a.	Describe the elements of communication systems. <b>(OR)</b>
CO1	K3	11b.	Compare PCM and DM systems.
CO2	K3	12a.	Illustrate the function of coherent ASK detector. <b>(OR)</b>
CO2	K3	12b.	Describe the probability error of ASK and FSK.
CO3	K4	13a.	State and explain the kepler's law. <b>(OR)</b>
CO3	K4	13b.	Discuss global positioning system and its applications.
CO4	K4	14a.	Explain the concept of frequency reuse. <b>(OR)</b>
CO4	K4	14b.	Analyze cell splitting and sectoring.
CO5	K5	15a.	Evaluate the performance of CDMA technology. <b>(OR)</b>
CO5	K5	15b.	Explain the difference between wireless and fixes telephone networks.

Course Outcome	Bloom's K-level	Q. No.	<b>SECTION - C (5 X 8 = 40 Marks)</b> <b>Answer ALL Questions choosing either (a) or (b)</b>
CO1	K3	16a.	Explain in detail the function of differential pulse code modulation with neat diagram. <b>(OR)</b>
CO1	K3	16b.	Explain the function of delta modulation and its drawback.
CO2	K4	17a.	Describe the operation of non-coherent FSK with neat sketch. <b>(OR)</b>
CO2	K4	17b.	Describe the operation of coherent reception of QPSK with neat sketch.
CO3	K4	18a.	Illustrate the working of satellite antennas. <b>(OR)</b>
CO3	K4	18b.	Discuss in detail about transponders in satellite communication.
CO4	K5	19a.	Briefly explain the concept of hand off strategies and explain its types. <b>(OR)</b>
CO4	K5	19b.	Explain in detail the cell splitting and cell sectoring concept incellular communication.
CO5	K5	20a.	Compare FDMA with TDMA. <b>(OR)</b>
CO5	K5	20b.	Draw the architecture of GSM and explain in detail.