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## School of Engineering

B.TECH Electronics and Communication Engineering in Artificial Intelligence and Machine  
Mid Term Examination - May 2024

Duration : 90 Minutes  
Max Marks : 50

### Sem VI - G2UC602T - Advanced Communication Systems

General Instructions

*Answer to the specific question asked*

*Draw neat, labelled diagrams wherever necessary*

*Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Infer about Multi carrier. K2 (2)
- 2) Draw the block diagram of BPSK K1 (3)
- 3) Explain wavelet OFDM? K2 (4)
- 4) Illustrate Mathematical Models of Communication Channel K2 (6)
- 5) Build designing parameters of analog and digital communication systems. K3 (6)
- 6) Construct the Comparison of QPSK and QAM K3 (9)
- 7) Classify different types of multiple access techniques K4 (8)
- 8) Examine DSSS with help of suitable block diagram and wave forms K4 (12)

**OR**

Distinguish between slow frequency hopping and fast frequency hopping. K4 (12)