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Sub-Electronics Paper-CC-9 Sem-4

Sample Question Papers

( Short answer type Questions)

1. What do you mean by signal ? What are the types of signals ?
2. What is system ? What are the different types of system ?
3. What should be the basic properties of an ideal system explain it.
4. Define the Laplace transform and Inverse Laplace transform of a continuous time signal x(t) .

(Long answer type Questions)

1. What do you mean by discrete time signal ? Perform the following operations for the following operations
2. Y(n)=2x(n) +3x(n) [casual, Linearity, Static]
3. Y(n)=x(n+1) [Memoryless, causal, Linearity]
4. What is Fourier Series of signal ? what are the types of Fourier series ?
5. What are the basic fundamental signals in continuous and disdcrete form.
6. Find the inverse laplace transform of the following :
7. 4/s+2 - 3/s – 5
8. s/s^2 +a + 5/s^2 +a