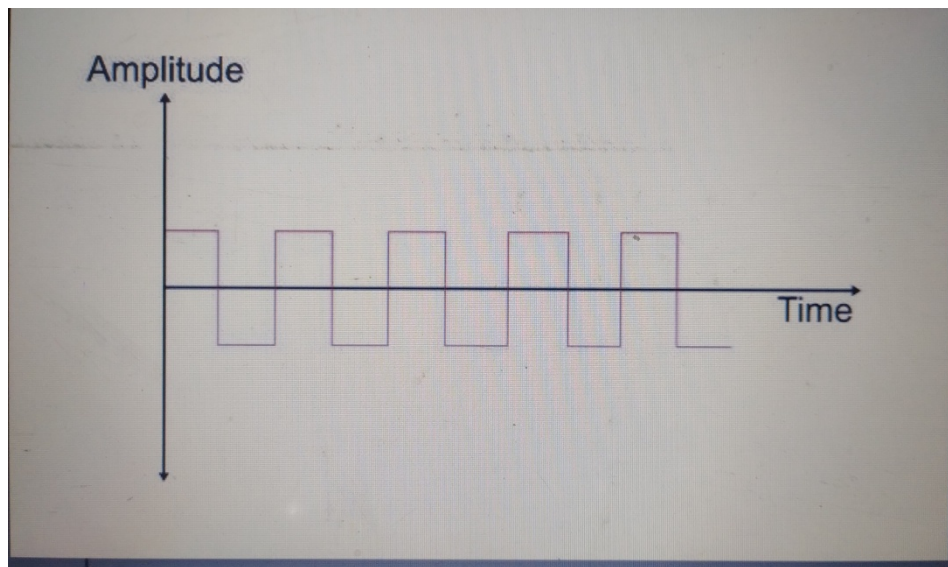# What is a Digital System?

- A digital system is one whose signal has a ==finite number== of discrete values.
- The digital system works on ==digital signals== and is limited to binary values ==0 or 1.==
- Digital systems are used to process information in ==digital form==.
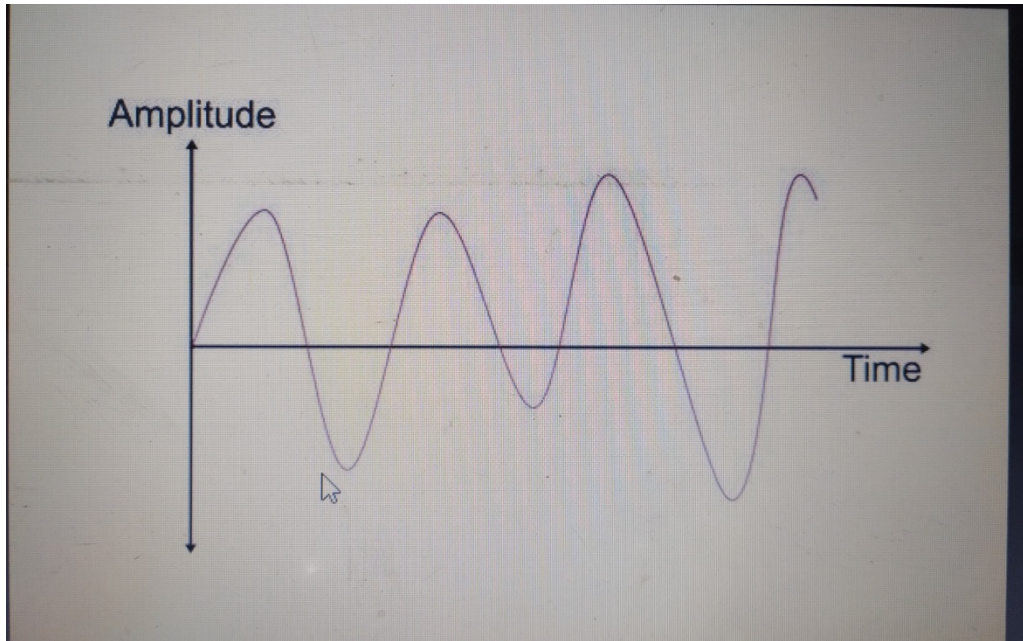- The digital system has wide applications in digital instruments like calculators, computers, Telephones, etc.

Features of Digital Systems

- Uses Binary Code:
- Accuracy:
- Processing Speed:
- Noise Immunity**:**

What is Analog System?

- Analog system is one that uses continous time signal or analog signal which is a sinusoidal waveform.
- Analog system transmits the output in their raw form reducing the time of translation.
- The amplitude of the signal varies continuously with the time.

- Analog signals are used to represent sound, temperature, light intensity etc.

Features of Analog Systems

- Uses Continuous Signals
- Real-World Representation
- Smooth Transitions
- Complexity