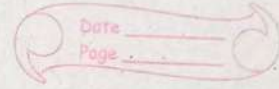Pradeep Bikram Thapa

BCA 1st semi

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Tutor Pal

1) Define digital computer.

⇒ Digital computer, any of a class of devices capable of solving problems by processing information in discrete form. It operates on data, including magnitudes, letters, and symbols, that are expressed in binary code - i.e, using only the two digits 0 and 1.

2) Define integrated circuit.

⇒ An electronic circuit formed on a small piece of semiconducting material, which performs the same function as a larger circuit made from discrete components is called integrated circuit.

3) what do you mean by clock waveform?

⇒ A clock wave form is an electronic logic signal which oscillates between a high and a low state at a constant frequency and is used like a metronome to synchronize actions of digital circuits.

4) Difference between Analog signals and Digital signal.

⇒

Analog signals	Digital signals
1) continuous signals	Discrete signals
2) Represented by sine waves	Represented by square waves.
3. Human voice, natural sound, analog electronic device are a few example	computers, optical drives and other electronic devices
4. continuous range of values	Discontinuous values
5. Records sound waves as they are	converts into a binary wave form
6. only used in analog devices	suited for digital electronics like computers, mobiles and more.