This device can be programmed to carry out general purpose, mathematical and/or logical computation.

A programmable computer is a computer that can be modified to do certain tasks.

A general purpose machine means that the machine can be used to carry out any general tasks, not one specific task.

A pocket calculator is not a computer as it is a machine made for a specific purpose and only carry out a small set of calculations.

A signal represents changing information and are used to transmit information from one place to another.

Signals are used in operating digital computers.

A digital signal is a signal that is used to represent data as a sequence of discrete values.

Digital computers are computers that operate using digital signals.

An electronic computer is one that operates using electricity.

A semiconductor is a special type of material that falls between and electrical conductor and an electrical insulator.

Semiconductors can be designed to be an insulator, a conductor or both – this means that they can be used to control the flow of electrons in a computer.

Silicon

They can carry out any general purpose computations

They are relatively inexpensive and portable

They perform well