

Physics - 10th Class Physics English Medium Chapter 16 Preparation

Alis I.	Boolean variables can have only two values 0 and 1
Q2. Why	filament is heated.
	Filament is heated for emission of electrons. If metal is heated to a high temperature, some of free electrons may gain energy to erscape metal surface.
Q3. What	is the use of electron gun.
Ans 1:	It is used to investigate the properties of electron beam.
Q4. Write	some benefits of using digital electronic over analogue electronic.
	i. There is no interference in digital signal y to read digital quantities.
Q5. Why :	a large potential is applied between anode and cathode.
Ans 1:	A large potential is applied between anode and cathode to accelerate the beam of electrons.
Q6. What	are digital quantities.
	Digital quantities. Quantities whose values vary in non continuous manner are called digital quantities. Digital quantities are ed in form of digits or numbers.
Q7. How	digital electronic devices work.
Ans 1:	Digital electronics devices store and process bites electronically.

Ans 1: quantities whose values very in continuously or remain constant are known as analogue quantities.

Example: Temperature, time, pressure, distance and analogue quantities.

Q9. Name some use of oscilloscope.

Ans 1: i. Displaying wave forms.

- ii. Range finding
- iii. Measuring voltages.
- iv. Echo sounding .
- v. Displaying heartbeats.

Q10. Explain the uses of logic gates.

Ans 1: Logic gates in electronic circuits are used to do useful tasks. These circuits usually use light depending resistors to keep inputs LOW. an LDR can act as a switch that is closed when illuminated by light and open in dark.