- Her. Electrons are emitted with Zero velocities from metal surface when Exposed to radiation of wavelength 6800A. Calculate 20 and work function of metal.
- On the Surface of Sodium, electrons are emitted with a kinetic energy of 1.68 x 105 1/mol. What is the minimum energy needed to remove an electron from Sodium? What is the maximum wavelength that will cause a Photoelectron to be emitted?
- Oue.3. In a photoelectric experiment, the wavelength of the light incident on metal is changed from 300nm to 400nm and (hc/e = 1240 nm-v). find the decrease in the stopping potential:
  - (9) 3V (b) IV (c) 4V (d) No change
- one. 4. In Photoelectric emission, does increage in frequency, increage the no. of electrons emitted from the metal surface? explain with neason.
- one.5. The threshold frequency for Photoelectric effect for a metal swiface is found to be 4.8 × 10 km hz.

  The stopping potential sequised when the metal is insciola inadicated by radiation of frequency 5.6×1016 hz is -
  - (9) 11V (b) 22V (c) 33V (d) 44V

    Shot on OnePlus

    By victor