

Question 3) When the wavelength of radiation falling on a metal is changed from 500 nm to 200 nm, the maximum kinetic energy of the photoelectrons becomes three times larger. The work function of the metal is close to

(A) 0.81 eV

(B) 1.02 eV

(C) 0.52 eV

(D) 0.62 eV

Answer: (D) 0.62 eV