[Class – 11th
Chemistry Test]

m.m –

(1) Who devised the charge on electron and by which method
(2) What is the basic principle of a Television picture tube?
(3) What do you mean by Excitation Energy and Ionisation Energy of a Electron?
(4) How many lines are observed for transition $2 \rightarrow 6$ in ros of Hydrogen Spectra? Solve properly.
(5) Calculate (a) Wave number and (b) frequency of yellow radia having wavelength of 5800 Å
(6) Explain the term Wavelength, Frequency, Amplitude and Wav number with help of diagram.
(7) Calculate the electron, proton and neutron in following –
(i) PO_4^{3-} (ii) SO_4^{2-}
(8) Explain term Isotope, Isobar, Isoelectronic species and Iso with example.
(9) A photon of wavelength 4×10^{-7} m strikes on metal Surfa the work function of metal being 2.13 eV. Calculate (i) the of the photon (ev) (ii) Kinetic Energy of Emission. (iii) the ve of the photoelectron ($1ev = 1.6020 \times 10^{-19}$ J).
(10) Explain Rutherford's Model of Atom with diagram
(11) Calculate Ratio of Energy of 3rd Bohr Orbit of Be^{3+} i to 5th orbit of Li^{2+} Ion?