



O.2) Explain Atomic anision testing and analyse where it could find applications? Any Atomic emission spectroscopy (AES) is a method of chemical analysis that uses the intensity of light emitted from a flame, plasmag arcg or I speck at a particular Dwardength to determine the quantity of an element Vin a sample. The warelength of the atomic spectral line in the emission specterum gives the identity of the element while the intensity Othe O strongs emitted light is projection - was to the number of atoms of the element. The sample may be excited various methods. wavelength exited & attorn (3 selector excitation Detector source · Common applications of atomic emission spectrocopy are in the analysis of trace elements in soils, water, motals , Biological specimens, clinical specimens , food of physical evidence such as glass a other solid · In determining the impurities of Nig Cuathnatick in Gaon & steel in muetallugical processes · Lubricating oils can be analysed Los Nig Feg Mn etal solid samples & animal tissues have been





