Natural sources : Man is exposed to natural radiation from time immemorial.(c) Internal radiation : (1 Man is also subjected to internal radiation, i.e., from radioactive matter stored in the body These radioactive materials quantities of uranium, thorium, and related substances, and i les on tain is thou in about 2 maraon year on the body as a whole, but may be as high as 70 or 80. Areas exist (e.g., Kerala in India) where there are rock formations containing uranium, it can be as high as 2,000 mrad a year, (ii) Atmospheric radiation: The external radiation dose from the radioactive gases radon and thoron in the atmosphere is rather small : about 2 mrad per year.(b) Environmental : (i) Terrestrial radiation: Radioactive elements such as thorium, uranium, radium and an isotope of potassium (K40) are present in man's environment, e.g., soil, rocks, buildings.Natural background radiation arises from three sources : (a) Cosmic rays : The cosmic rays which originate in outer space are weakened as they pass through the atmosphere.It has been calculated that a commercial jet pilot receives about 300 mrad per year from .cosmic radiation (1).to approximately 0.1 rad a year