



5. Sweat glands
6. Structure of human Kidney
7. Types of Entry of toxicant in human body
8. Endocrine disruptors
9. Lacramal Glands

3.A. Explain the ADME in details and add a note on acute toxicity (6)

3.B. Discuss deleterious interactions of toxicant at molecular level and add note on cancer causing agents (6)

OR

3.B. Describe the dose and response with suitable examples and  $LC_{50}$  (6)

Q4. A. Enumerate the various diseases caused by fumes, metals, gases, smoke and vapours on human lungs in occupational and industrial areas. (6)

Q4. B. Explain various Cardiac toxicity symptoms due to intake of various drugs and chemicals. (06)

OR

B. i. Explain the structure of human skin (3+3)

ii. Narrate the structure and functions of human Kidney

Q5.A. Enumerate human neurotoxic disease symptoms (6)

5.B. Describe the formation of Pyruvate molecules in cellular respiration (6)

OR

5B. i. Draw a neat labelled diagram of Human Eye (3+3)

Bii. Explain non-cyclic photophosphorylation in plants

Q6.A. Explain mode of action of substituted Phenoxy herbicide compounds (6)

B. Write a general process of translocation and biotransformation of herbicides in plants (6)

OR

B. Describe the effects of Mercury and Chromium on plants and animal including Human beings and add a note on Teratogenicity (6)