**SCE 402 (Extra Science) Self Study Assignment FOR MARKS**

**Total out of 20 marks for C1 competency**

Read and make notes on:

p. 192-193 Know about **buffering in soils** and soil horizons

p. 199-200 Know about major contaminants in ecosystems

p. 211-212 Know about thermal pollution and the process of **eutrophication** (very important)

p. 227-228 Know about **prevailing winds** (their direction in North America)

p. 233-234 Know about the **greenhouse effect (very important),** know how to draw a **diagram of the greenhouse** effect and how it works. Know about the role of **carbon dioxide** in intensifying the greenhouse effect (very important)

p. 235- 237 Know about **what gases** cause **acid rain, smog and the ozone hole**

p. 331-335 Know about major contaminants, **toxicity threshold** (very important), **Bioaccumulation vs. bioconcentration (very important).** Be able to draw a simple **diagram of bioconcentration**.

I will collect your notes and diagrams and give you a mark out of 20.

Make your notes and diagrams simple and easy for YOU to understand the major topics highlighted above.

This will be due: