

Veer Narmad South Gujarat University, Surat
Department of Aquatic Biology
(Aquatic Biology)
AQB: 103: Certificate Course in Toxicological Studies

Unit – I Hrs 06
Basic terms and concepts of toxicological studies and its principles

Unit – II Hrs 06
Factors affecting toxicity – species and strain, age, sex, nutritional status,
Hormones and environmental factors, Toxicity test procedures, Determination of
Bioassay (Daphnia, Fish)

Unit - III Hrs 06
Water pollution- Origin of Wastewater, Domestic Water Pollution, Industrial water
pollution, Agricultural water pollution, Toxic water pollutants and their health effects,
methods of purification of drinking water

Unit - IV Hrs 06
Drinking water standards, Irrigation water standards, Stream water standards, effluent
standards, Minimal National Standards (MINAS)

References:

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- Cremllyn, R. (1978) : Pesticides, John Wiley and Sons, Chichester
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- Goel, P.K. (2006) : Water pollution, New age international publishers, New Delhi.
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- Prabhakar, V.K. (2001): Marine ecology & pollution, Anmol publications New Delhi.
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- Salpekar, A.C. (2008): Marine pollution, Jnanada Prackashan, New Delhi
- Schmitz, R.J. (1995): Introduction to water pollution Biology, Gulf publishing company, Texas
- Sinha, P.C. (1998) : Marine pollution, Anmol Publications, New Delhi
- Trivedi, R.K. (2001): Aquatic Pollution & Toxicology, ABD publishers, Jaipur.
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