ST JOSEPH’S COLLEGE FOR WOMEN (AUTONOMOUS), VISHAKHAPATNAM

III SEMESTER  **SKILL DEVELOPMENT COURSE** Time:2Hrs./week

# EA 3001 (2) ENVIRONMENTAL AUDIT Max.Marks: 50

w.e.f. 20AH Batch (2020-21 admitted batch)

**LEARNING OUTCOMES:**

By successful completion of the course, students will be able to;

1. Understand the basic concepts Environmental health
2. Learn and identify the industrial pollution
3. Explain the highlights in the regulatory aspects of Environmental law and policy
4. Understand the various phases of Environmental Audit

### UNIT – I: INDUSTRIAL POLLUTION AND ITS EFFECTS:

Climate – Weather and Air Pollution – Classification of water and water bodies – Water Quality Parameters – Water Pollution – Sources – Classification, nature and Toxicology of water pollutants. - Soil parameters –Soil pollution and impacts – Soil conservation

### UNIT - II: ENVIRONMENTAL LAW & POLICY:

Highlights of the Acts, Institutional arrangements for: (1) The Water (Prevention & Control of Pollution) Act, 1974 amended in 1988; (2) The Air (Prevention and Control of Pollution) Act, 1981 amended in 1987; (3) The Water (Prevention and Control of Pollution) Cess Act, 1977 amended in 1991; (4) The Environment (Protection) Act, 1986; (5) The Public Liability Insurance Act, 1991; – Indian Policy Statement for abatement of Pollution, 1992.

### UNIT - III : ENVIRONMENTAL AUDIT - SCOPE & REQUISITES:

Environmental Audit: Definition; Objectives; Scope, Coverage - GOI Notification on Environmental Audit - Benefits to Industry. Reporting Environmental Audit Findings - Importance of Environmental Audit Report to industry, public and the governments.

### CO-CURRICULAR ACTIVITIES SUGGESTED:

1. Visit to understand Institutional arrangements and functioning of Pollution Control Boards.
2. Visiting different Ecosystems
3. **Soil analysis**: Determination of soil type and texture, pH, Soil Moisture, Nitrogen, Potassium and Phosphorous.
4. **Water analysis:** Determination of pH, Dissolved solids and suspended solids, Dissolved Oxygen, COD, BOD.
5. Assignments, Group discussion, Quiz etc.

**REFERENCE BOOKS AND WEBSITES**:

1. Environmental Education in India by[K.R. Gupta](https://www.amazon.com/s/ref=dp_byline_sr_book_1?ie=UTF8&field-author=K.R.+Gupta&text=K.R.+Gupta&sort=relevancerank&search-alias=books)
2. Environmental Legislation in India by K.R. Gupta
3. <https://parivesh.nic.in/>
4. <https://www.cpcb.nic.in/>
5. <https://www.free-ebooks.net/environmental-studies-academic>

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