

S.S. JAIN SUBODH P.G. COLLEGE, JAIPUR

VALUE-ADDED COURSE

COURSE TITLE: ENVIRONMENTAL POLLUTION AND WASTE MANAGEMENT

NODAL DEPARTMENT: ENVIRONMENTAL SCIENCE

COURSE CODE: 23VAC_5205T

MARKING SCHEME

Tutorial (Hours)	Time Allowed ESE (Hrs)	Course Credits	Total Marks	End Semester Exam (Max. Marks)	Assignment	Minimum Marks
30	2	2	50	35	15	20

COURSE OBJECTIVES:

1. To provide the opportunity to understand the environmental pollution and practice of its control.
2. Know the need for integrated waste management in modern society.

COURSE CONTENTS:

Sources of Air and Water Pollutants, Water Quality Parameters, Effects of air and water pollution on plants, human health, materials and ecosystems.

(15 Hours)

Solid waste Management: reduction at source, volume reduction, Collection and disposal techniques of solid waste, land-filling, Composting, Vermi-composting. Techniques of hazardous waste treatment and disposal.

(15 Hours)

SUGGESTED READINGS:

1. Environment and Human Health; Claudio Bini, Jaume Bech; Springer: 2014
2. Water Pollution: Concerns, Concepts and Analysis: Sheryl McMillan; Callisto Reference; 2015
3. Environmental Chemistry; Air Pollution: O. Hutzinger; Springer; 2013
4. Integrated Solid Waste Management: George Tchobanoglous et. al., Mac Graw Hill Education: 2014

COURSE OUTCOMES:

On completion of the course the learner will be able to:

1. About the sources and effects of pollution.
2. Get insight into the scenario of environment.
3. Learn and understand the waste management techniques.



(Prof. K. B. Sharma)

Principal



Head of the Department