

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

GENERIC ELECTIVE COURSE

COURSE TITLE: GREEN TECHNOLOGY AND SUSTAINABLE DEVELOPMENT

NODAL DEPARTMENT: ENVIRONMENTAL SCIENCE

COURSE CODE: 23GEC_6302T

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 OBJECTIVE:

1. Understand the strategic and organizational context of environmental management in different settings and design and deliver practical outcomes that contribute positively to environmental performance.
2. Determine the present scenario at India and as well as at global scale, recognize the suitable natural resources production and its significance.

COURSE CONTENT

Definition, Concept and Eco-designing of green technology, Eco-farming, Eco-mark certification, Applications of green technologies, role of advancement in science in developing environmentally friendly technologies, ISO 14000 (EMS), Components of Environmental Management, Overview of CSR, ISO 26000, Quality Standards of WHO and IBS- Water Quality Standard

(15 Hours)

History and emergence of the concept of Sustainable Development and its Goals, Sustainable Production and Consumption, Climate Action, MSD and SDG India, role of CPCB, State Governments and WHO, Education for Sustainable Development (ESD).

(15 Hours)

SUGGESTED READINGS:

1. Sustainable Development- Issues and Perspectives; R.N Pati and Odile Schwarz-Herion; D. K. Print world Pvt. Ltd.; 2007
2. Concepts of Environmental Management for Sustainable Development; M.C. Dash; Dreamtech Press; 2019
3. The Age of Sustainable development, Jeffrey D. Sachs and Ban Ki Moon, Columbia University press; 2015
4. Economics of Sustainable Development; Sabanna Talwar; Global Research Publications; 2012
5. Leadership for Sustainability: Strategies for Tackling Wicked Problems , R. Bruce Hull, David P. Robertson and Michael Mortimer, Island Press, 2020

COURSE OUTCOMES:

On successful completion of the course the students will be able to:

1. About the concept of green technology, its goals and advantages.
2. Get insight into the potential role of green technologies for sustainable development.
3. Learn and understand the economic benefits associated with green technologies.

(Prof. K. B. Sharma)

Principal

Head of the Department