

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

VALUE-ADDED COURSE

COURSE TITLE: WATER RESOURCE AND WATER CONSERVATION

NODAL DEPARTMENT: ENVIRONMENTAL SCIENCE

COURSE CODE: 23VAC_6304T

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:

- To understand and assess (quantify) fresh water resources
- To develop an understanding of various water conservation techniques
- To understand water policy guidelines, water conservation

COURSE CONTENT

Water as a resource, Types of water resources, Water Resource of Rajasthan, Dublin-Rio Principles on Water and Sustainable Development, Brief account of concept of water stress, water footprint, water resource vision, Major Issues related to water resources.

(13 Hours)

Water governance, conflicts and policy: Concept and Elements with dimensions of water governance; Effective water governance schemes; Indicators of good governance. Water Governance in India: Steps taken for the improvement of water resource in Rajasthan, Government Organization and schemes approved by Government

(17 Hours)

SUGGESTED READINGS:

- David S. (1998) Water Supply Management, Kluwer Academic Publisher, Dordrecht.
- Bansil, P.C. 2004. Water Management in India. Concept Publishing Company, India.
- Water and the Laws in India (2009) by Ramaswamy R. Iyer; Publisher - SAGE Publications
- Water Governance: An Evaluation of Alternative Architectures (2013), by A. Gunawansa and L. Bhullar (editors) Publisher - Edward Elgar (2013)

COURSE OUTCOMES:

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

- This course is to offer a better insight on basics of water ranging from importance, characteristics distribution and consumption patterns. The students will also be aware of different water quality standards for application of water in different sectors.
- We anticipate that this course will help the participants the necessary knowledge and skills required for managing water resources.


(Prof. K. B. Sharma)

Principal


Head of the Department