

S. S. JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE, JAIPUR

(Affiliated to University of Rajasthan)



SYLLABUS

Scheme of Examination of Value Added Courses

FACULTY OF SCIENCE

DEPARTMENT OF ENVIRONMENTAL SCIENCE

VALUE ADDED COURSES FOR B.A./B.COM./B.SC.

As per New Education Policy-2020

S. L.
PSS
Y. Sawit

Scheme of Examination:

1. 30 marks Objective/Multiple Choice/One word type questions.
2. 20 marks Project work/Assignment/ Class test/ Practical/Field work/Project report etc.
3. Supplementary/ Due Paper/ Special Examinations will be resolute as per the institutions autonomous rules.
4. Grade/CGPA/Percentage/Division will be decided as per the autonomous guidelines of the institution.

Scheme of Examination of Value Added Courses

Non-Credit Course

Technical hours: 30

Total of End Sem. Exam - 50

Total of End Sem. Exam	50
Internal Assessment	Nil
Maximum Marks	50
Minimum Marks	20

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Value Added Course Sustainability & ISO Certification

Course Code:

Technical hours: 30

Credit: Nil

Objective

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

- Analyze the Sustainable Development Goals
- Will be able to advice on Reduce, Recycle and Reuse.
- Will be able to conceive the concept of sustainability and contribute effectively
- Will practice sustainable way of Life

Course Content

Unit I:

Introduction to the Sustainable Development, Definition and its Goals : No Poverty, Zero Hunger, Good Health and Well Being, Gender Equality, Decent work and Economic Growth, Industry, Innovation and Infrastructure, Clean water and Sanitation, Affordable and Clean Energy, Sustainable Production and Consumption, Climate Action, Partner ships for the Goals, SDG India.

Unit II:

Introduction and Implementation of ISO 14001: Planning, Implementation and Operation, Checking, Management Review, etc., 14000 Certification, Environmental Management System Documentation.

Reference:

1. Environmental Issues & Sustainable Development; Arjun Gope, Abhijit Sarkar, Prasamita Sarkar, and Santanu Majumder; Notion Press; 2019
2. ISO 9001, ISO 14001, and New Management Standards, Iñaki Heras-Saizarbitoria, Book series-Measuring Operations Performance, Electronic. 2018,
3. Concepts of Environmental Management for Sustainable Development; M.C. Dash; Dreamtech Press; 2019
4. ISO 14001: 2015 – Environmental Management System (EMS) 'Beginners Guide'; Mohamed Nazeer Ali, Notion Press; 1st edition 2021

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Value Added Course
Water Pollution, Health and Water Resource Management

Course Code:

Technical hours: 30

Credit: Nil

Objective:

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

- About the importance of water resources.
- Get insight into the water cycle.
- Learn and understand the water pollution problem and its gravity.

Course Content

Unit I:

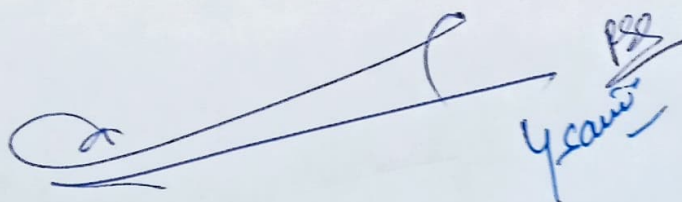
Properties of water, Physio-chemical Characteristics of water bodies, types of water resource, National drinking water policy, Drinking water standards, WHO standards of drinking water. Water pollution: (Causes, effect and control measures of water pollution). Pollution control standards, Water borne diseases.

Unit II:

Water conservation and water pollution acts in India. Water conservation: Ice stupa artificial glacier by Sonam Wangchuk. Rain water harvesting, Watershed Management: Objective, Classification, Advantages and Disadvantages.

Reference:

1. Watershed Management: J.V.S. Murthy; New Age International Publication 2nd Edition 2013
2. Environment and Human Health: Claudio Bini, JaumeBech; Springer; 2014
3. Managing Water Resources, Policies, Institutions, and Technologies, Ratna V. Reddy and S. Mahendra Dev. Oxford University Press (Ed.), 2006
4. Water Pollution: Concerns, Concepts and Analysis: Sheryl McMillan; Callisto Reference; 2015

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