

SHIVAJI UNIVERSITY, KOLHAPUR
Syllabus
B.A.-II
SEMESTER - III
IDS PAPER I: SOCIAL REFORMS IN INDIA
(CHOICE BASED CREDIT SYSTEM – (CBCS)
Credits: 04

(introduced from June 2019)

This course is conceived to introduce the students to the social and religious change in India expressed in various social reform movements. Students will explore the significance and impact of prominent social and reform movements. It will help the students to understand how the ideals of rationalism, humanism and universalism were encouraged by the Indian social reformers. The course will attract students from a wide variety of social science disciplines.

After completion of the course, the student will be able to ...

CO1. Understand the salient features of prominent socio-religious reform movements

CO2. Explain the thought and work of Mahatma Phule for radical transformation of Indian society

CO3. Know the measures taken by Rajashri Shah Maharaj for emancipation of lower classes and women

CO4. Understand the thoughts of Ambedkar on the annihilation of the caste system and untouchability in India

CO5. Know how the Indian constitution embodies the values of social justice and equality

MODULE-1 Socio-Religious Reform Movements

- a) Raja Ram Mohan Roy and Brahmo Samaj 15
- b) Swami Dayanand Saraswati and Arya Samaj
- c) Swami Vivekanand and Ramakrishna Mission

MODULE-2 Mahatma Phule

- a) Educational and Social Work 15
- b) Satyashodhak Samaj
- c) Thoughts of Mahatma Phule (with special reference to *Shetkaryancha Asud* and *Gulamgiri*)

MODULE-3 Rajashri Shahu Maharaj

- a) Educational and Social upliftment of lower classes 15
- b) Women's Rights
- c) Hostel Movement

MODULE-4 Dr Babasaheb Ambedkar

- a) Thoughts on Annihilation of Caste 15
- b) Mahad Incident and the Temple entry movement
- c) Social Justice and Indian Constitution

Shivaji University, Kolhapur
Second year undergraduate compulsory course in
ENVIRONMENTAL STUDIES
Syllabus

- 1. Nature of Environmental Studies.** (4 lectures)
Definition, scope and importance.
Multidisciplinary nature of environmental studies
Need for public awareness.
- 2. Natural Resources and Associated Problems.** (4 lectures)
 - a) Forest resources: Use and over-exploitation, deforestation, dams and their effects on forests and tribal people.
 - b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams benefits and problems.
 - c) Mineral resources: Usage and exploitation. Environmental effects of extracting and using mineral resources.
 - d) Food resources: World food problem, changes caused by agriculture effect of modern agriculture, fertilizer-pesticide problems.
 - e) Energy resources: Growing energy needs, renewable and non-renewable energy resources, use of alternate energy sources. Solar energy, Biomass energy, Nuclear energy.
 - f) Land resources: Solar energy, Biomass energy, Nuclear energy, Land as a resource, land degradation, man induced landslides, soil erosion and desertification.Role of an individuals in conservation of natural resources.
- 3. Ecosystems** (6 lectures)
Concept of an ecosystem.
Structure and function of an ecosystem.
Producers, consumers and decomposers.
Energy flow in the ecosystem.
Ecological succession.
Food chains, food webs and ecological pyramids.
Introduction, types, characteristics features, structure and function of the following ecosystem :-
 - a) Forest ecosystem, b) Grassland ecosystem, c) Desert ecosystem,
 - d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).
- 4. Biodiversity and its conservation** (6 lectures)
Introduction- Definition: genetic, species and ecosystem diversity.
Bio-geographical classification of India.
Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
India as a mega- diversity nation.
Western Ghat as a biodiversity region.
Hot-spot of biodiversity.
Threats to biodiversity habitat loss, poaching of wildlife, man- wildlife conflicts.
Endangered and endemic species of India.
Conservation of biodiversity: In-situ and Ex-situ conservation of

biodiversity.

5. **Environmental Pollution** (6 lectures)
Definition: Causes, effects and control measures of: Air pollution, Water pollution, soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards.
Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of a individual in prevention of pollution.
6. **Social Issues and the Environment** (8 lectures)
Disaster management: floods, earthquake, cyclone, tsunami and landslides.
Urban problems related to energy
Water conservation, rain water harvesting, watershed management
Resettlement and rehabilitation of people; its problems and concerns.
Environmental ethics: Issue and possible solutions.
Global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
Wasteland reclamation.
Consumerism and waste products.
7. **Environmental Protection** (8 lectures)
From Unsustainable to Sustainable development.
Environmental Protection Act.
Air (Prevention and Control of Pollution) Act.
Water (Prevention and control of Pollution) Act.
Wildlife Protection Act.
Forest Conservation Act.
Population Growth and Human Health, Human Rights.
8. **Field Work** (10 lectures)
Visit to a local area to document environmental assets-
River/Forest/Grassland/Hill/Mountain.
or
Visit to a local polluted site - Urban / Rural / Industrial /Agricultural.
or
Study of common plants, insects, birds.
or
Study of simple ecosystems - ponds, river, hill slopes, etc.

References :

- 1) Agarwal, K.C.2001, Environmental Biology, Nidi Pub. Ltd., Bikaner.
- 2) Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad 380013, India, Email:mapin@icenet.net (R)
- 3) Brunner R.C.,1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p
- 4) Clank R.S. Marine Pollution, Clanderson Press Oxford (TB)
- 5) Cunningham, W.P. Cooper, T.H.Gorhani, E. & Hepworth, M.T.2001, Environmental Encyclopedia, Jaico Pub. Mumbai, 1196p
- 6) De A.K., Environmental Chemistry, Wiley Western Ltd.
- 7) Down to Earth , Centre for Science and Environment , New Delhi.(R)
- 8) Gleick, H.,1993, Water in crisis, Pacific Institute for studies in Dev., Environment & Security. Stockholm Env. Institute. Oxford Univ. Press 473p



Rayat Shikshan Sanstha's
Dahiwadi College, Dahiwadi

Career Oriented Course

Certificate Course in Translation and Communicative Proficiency
Syllabus

Paper I: Basic English Structure

Total Marks- 100

Unit I	Phonology	20
A.	Consonants	
B.	Vowels	
C.	Diphthongs	
Unit II	Transcription	30
A.	Phonetic symbols	
B.	Word transcription	
C.	Weak forms	
Unit III	Stress and intonation	30
A.	Word stress	
B.	Sentence Stress	
C.	Intonation	
Unit IV	Words	20
A.	Open Class	
B.	Closed Class	



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Paper II: Essential Grammar

Total Marks- 100

Unit I -	Basic Sentence Patterns	20
Unit II -	Tenses and their Usages	20
Unit III-	Word formation Processes	20
	A. Major Processes	
	B. Minor Processes	
Unit IV	Types of Sentences	20
	A. Statements	
	B. Imperative	
	C. Interrogative	
	d. Exclamatory	
Unit V	Translation	20
	A. Words	
	B. Phrases	
	C. Sentences	



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Paper III: Functional English

Total Marks- 100

Unit I-	Greetings	20
Unit II-	Introduction	20
Unit III-	Interview	20
Unit IV-	Translation	20
	A. Words	
	B. Phrases	
	C. Sentences	
Unit V-	Description	20
	A. Incidents	
	B. Experiences	
	C. Objects, Places etc.	



Foundation Course on Human Rights Education

Syllabus

Paper I: Human Rights & Social Awareness

1. Human Rights
 - a. Meaning, definition & concept
 - b. The nature of Human Rights & their scope
2. Importance of Human Rights
 - a. Origin & development of Human Rights
 - b. Importance & significance of Human Rights
3. Constitution of India & Human Rights
 - a. Basis of fundamental rights in constitution of India
 - b. The structure of Human Rights Commission
4. National Human Rights Commission
 - a. Human Rights Commission, its rights, power & duties
 - b. Human Rights Commission 1993.

Paper II: Social Problem & Creating Awareness about Human Rights

1. Social Problem
 - a. Nature, meaning & definition
 - b. Types of social problem
2. Human Values
 - a. The meaning of Human values & their need
 - b. Role of communication media
3. Socialization & Discrimination
 - a. Female infanticide, Killing female fetus
 - b. Discrimination between male/ female
4. Globalization & Human Rights





- a. Privatization & Human Rights
- b. Need of Human Rights in Globalization

Paper III: Study Projects & Reports

Topics of Study projects and visit to different places for projects


1. Remand home
2. Hostel for the aged
3. Ashram school for mentally retarded children
4. Children of the labor workers cutting sugarcane
5. Labor workers of sugarcane factory
6. School for deaf & dumb
7. Boarding for support less & substantial women
8. Ashram school for the tribal children
9. Illiteracy of female & violation of Human Rights
10. Women labor in field industry

Ref. books





	CROSS CUTTING ISSUE	CLASS	COURSE / PAPER NO. & PAPER TITLE	UNIT DESCRIPTION	ACTIVITIES
1	Professional Ethics	B.Sc. III B.Sc. II	Paper XII-Aquatic Biology Paper VII- Reproductive Physiology	Endocrinology. Reproductive Health.	
2	Gender	B.Sc. I	Paper IV- Genetics	Sex Determination	
3	Human Values	B.Sc. III B.Sc. I	Paper- XII-Aquatic Biology Paper IV- Genetics	Endocrinology.	
4	Environment	B.Sc. II	Paper- Applied Zoology	Epidemiology and Diseases.	
5	Sustainability	B.Sc. III B.Sc. III	Paper XII -Aquatic biology Paper XVI –Insect Vector and Histology	Aquatic Biomes Dipterians as disease vector & their control measures.	


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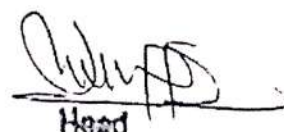
Department of chemistry

Metric 1.3.1

Institutional integrated cross cutting issues relevant to professional ethics, Gender, Human values, Environment and sustainability in the green curriculum

Name of Department -Chemistry

Cross Cutting Issue	Class	Course/Paper Name or no.	Unit description	Activities
Water pollution prevention	M.Sc. II	TOC	Green chemistry	Water solvent reaction
Prevention of soil erosion	M.Sc. II	Org. Ind. Chemistry	Agrochemicals	Avoid excess use
Saving of water	B. Sc. II	COC Course Soil and water analysis	Water sources	Advantages of irrigation systems
Fertilizer Analysis	M. Sc. II	STC Course	Elemental Analysis	N, P, and K. analysis of fertilizer
Water Analysis	B. SC. II	Practical Course	Hardness of water	Hardness calculations
Industrial Pollution	B. Sc. III	Industrial chemistry	Sugar Industry and soap and detergents	Sugar and soap impact on body
Soil micro analysis	B. Sc. III	Inorganic chemistry	Bio-inorganic chemistry	Analysis of soil nutrient



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Department of Computer Science
Year 2021-2022



Curriculum Enrichment

Cross Cutting Issue	Class	Course/Paper No. & Paper Title	Unit Description	Activities
Professional Ethics	B.Sc-III	ASP.NET	Server Controls	Practical
Professional Ethics	B.Sc-II	PHP & MYSQL	HTML forms and MySql connectivity	Practical
Human values	B.Sc-III	ASP.NET	Web site design	Practical
Human values	B.Sc-III	Java	Introduction Java Data Base Connectivity (JDBC)	Lecture
Human values	B.Sc-III	Java	Java Data Base Connectivity (JDBC)	Practical
Human values	B.Sc-II	Cyber Security	Email security, Web Security, Database Security	Lecture
Sustainability	B.Sc-III	C# Programming	Windows Form Application Using C#	Practical
Sustainability	B.Sc-II	PHP & MYSQL	MySql Database	Practical
Environment	B.Sc-II	Cyber Security	Types of Attacks	Lecture



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Department of B.C.A

Year 2021-2022

Curriculum Enrichment

Cross Cutting Issue	Class	Course/Paper No. & Paper Title	Unit Description	Activities
Professional Ethics	B.C.A-III	ASP.NET	Server Controls	Practical
Professional Ethics	B.C.A-II	PHP & HTML	HTML forms and MySql connectivity	Practical
Human values	B.C.A-II	HTML	Web site design	Practical
Human values	B.C.A-III	Java	Introduction Java Data Base Connectivity (JDBC)	Lecture
Human values	B.C.A-III	Java	Java Data Base Connectivity (JDBC)	Practical
Human values	B.C.A-III	Cyber Law	Email security, Web Security, Database Security	Lecture
Sustainability	B.C.A-III	C# Programming	Windows Form Application Using C#	Practical
Sustainability	B.C.A-II	PHP & DBMS	Sql Database	Practical
Environment	B.C.A-III	Cyber Law	Types of Attacks	Lecture


H.O.D.

Bachelor Of Computer Application
Dahiwadi Collage Dahiwadi

Rayat Shikshan Sanstha's
DAHIWADI COLLEGE DAHIWADI

Department of Microbiology

Year 2021-22

CROSS CUTTING ISSUE



Sr. No.	Cross cutting issues	Paper no.	Name of Course/Paper	Class	Activity
1	Professional Ethics	X	Microbial Immunology – Compliment System	B.Sc III	Lecture
2	Gender equality	XIII	Microbial Genetics	B.Sc III,	Lecture
		VII	Microbial genetics and molecular biology	B. Sc. II	
3	Human Values	X & XIII	Immunology , Microbial Genetics	B.Sc III	Lecture
4	Environment	XV	Environmental Microbiology,	B.Sc III	Lecture, plant one tree by each student in their house
		I	Introduction To Microbiology,	B.Sc I	
		V	Microbial Physiology and Metabolism	B.Sc II	
5	Sustainability	VI	Applied Microbiology	B.Sc II	Lecture
		II	Microbial Diversity	B.Sc I	
		XV	Environmental Microbiology	B.Sc III	


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Sr. No.	Cross cutting issues	Name of Course/Paper	Class	Page
4	Environment	Vasant aa gay Pahad Dharti aur dhan	B A I B A II B A II	16-17 40-45 66-71
5	Sustainability संपोषणीयता	Bhushan ke pad teelee	B A II B A II	34-35 48-49
6	National Integrity	Ajeeb si mushkeel Panchlaeet	B A I B A I	18-19 79-83
7	Communalism	Teri khopadi ke andar	B A I	13-14
8	Spiritual	Hindi sahitya ka itihās Surdas ke pad Meera ke pad	B A III B A II B A I	'Book 16-17 21-25

ment integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and sustainability into the Curriculum

Sr. No.	Cross cutting issues	Name of Course/Paper	Class	Page
1	Professional Ethics	Reportaj & Sakshatkar lekhan Prayojanmulak Hindi Vakil sahab	B A I B A III B A II	92-108 Book 36-93
2	Gender	Bejagah Stree mukti ki mashal ho Akeli Sanskar aur bhavna Rajiya Kitane prashn karun Jiti baji ki har	B A I B A I B A I B A I B A I B A II B A II	34-35 41-42 93-99 100-108 109-116 Book 09-17
3	Human Values	Kabir ki sakhyan Rahim ke dohen Jab kee neki se jita Yah to sharm ki bat hai Pyar Gajhal Eklavy Ma jab khana parosati thi Jivan aur shiksha Chief ki dawat Kisan ke ghar se	B A II B A II B A II B A II B A II B A II B A I B A I B A I B A I B A I	13-14 30-31 38-39 43-44 52-53 55-56 32-33 29-30 46-51 34-91 117-123

(Signature)
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