

CSIBER Trust's



College of Non-Conventional Vocational Courses for Women, Kolhapur

IQAC organized

Short Term Certificate Course in Foreign Languages

Orientation Programme of Certificate Course in Foreign Languages

2019-20

The orientation program for the First year students of B.Sc (FTM), B.A (DMFC), B.I.D was organized on 3rd July 2019 (Academic Year 2019-2020). The students were formally welcomed and introduced to the program in campus by Mrs. Shweta Patil. The orientation began with the brief introduction of Foreign Language experts in German, French and Japanese. The first session was handled by Mrs. Shravani Kulkarni, French Language Expert. She presented her views on French culture and importance of French language. The second session was conducted by Ms. Apoorva Deshpande, German Language Expert. She briefed the students about similarities of German Language and English language. She also introduced about various activities to be conducted during the certificate course.

The students were also briefed about required training programs planned to develop competencies to approach the job market. The students had interaction with the Language experts. After the explanation of detailed program structure, the students were allowed to choose one the above foreign language as a mandatory language. The total number of students present for Orientation program was 149 and their choices for different languages were as follows:

1. German Language = 88
2. French language = 51
3. Japanese Language = 10



Event Co-ordinates : Mrs. Shweta A Patil

Patil
Department of Food Technology
CNCVW Kolhapur

Patil



1.3.1

College of Non Conventional Vocational Courses for Women, Kolhapur

Department of Fashion Design

A Report
On

Add-On Course for BA (DMFC) Department
“AARI WORK”

By

Mrs. Jyoti R. Hiremath (Head & Asst. Professor)
Mrs. Archana R. Patil (Asst. Professor)
Mr. Aftab Shaikh (Resource Person)

2019-20



Add- On Course in Aari Work

On 30th September 2020 the Fashion Department started with the first add-on course in aari work. As per the demand of the market Hand worked clothes are in great demand and understanding the need of the market we started with this course considering the self-employment of the students. This course builds confidence among the students to improve the designing skills and also prepare them to stand up for the future opportunities.

Mrs. Jyoti Hiremath gave the brief introduction about the importance of the add-on courses and how much these courses are going to help the students in building their future. Mrs. Archana Patil introduced the resource person Mr Aftab Shaikh about his professionalism in designing and working of zardosi embroidery.

The second year and third year students enthusiastically enrolled their names and there were 2 batches in the first schedule each of 30 students per batch. 2 sessions of this course were conducted for this course.

Total 88 students were benefitted among these 2 ladies from outside also participated in this course. Nominal fees with required course material was charged.

Parents and staff thanked for the insights of awareness of such courses and promised to incorporate such type of courses in the future.


Photographs are enclosed herewith.


Mrs. Jyoti Hiremath
Head & Asst. Professor

HOD

Department of Fashion Design
CNCVCW, Kolhapur.




Mrs. Archana R. Patil
Asst. Professor

Department of Fashion Design
CNCVCW, CSIBER, Kolhapur



CSIBER Trust's

College of Non-Conventional Vocational Courses for Women, KOLHAPUR.

Department of FOOD TECHNOLOGY

A Report on- Add on Course 2019:20

Department of Food Technology have undertaken the Add on Course on **OBESITY AND WEIGHT MANAGEMENT** in the academic year 2019-20.

The purpose behind conducting Add on courses is to enhance the skills of students in their respective fields and also to impart the practical based knowledge which has not been covered in their regular syllabus.

The Obesity and Weight Management was planned considering today's need of specialized persons in the field of weight loss and weight gain. The course structure was designed by looking at the importance of certified personnel in the sector of weight management.

This course was consisting of total 30 contact hours i.e. TWO CREDIT COURSE. The course was designed for 2nd and 3rd year BSc FTM students. Total 36 students were enrolled for the same. The course were commenced in the month of December 2019. The resource person of the course was Dr. Neelam Jirage (MSc. Nutrition Dietetics, NET, PGDND, BAMS)



Power point presentations were used as a teaching aid. Students were asked to maintain their daily log books for the practicals. A Case study was discussed in the class and solved by the students at the end of the course. Students were assessed on the basis of their attendance, practicals written in their log books and case study solved at the end of the course. A certificate was given to the students after the successful completion of the course.

S. Khandekar

Mrs Snehal Khandekar
(Head Dept. of Food Technology)

Neelam Jirage

Dr. Neelam Jirage
(Resource Person)

Patil

HOD
Department of Food Technology
CNCVCW, Kolhapur.



REPORT ON "NIRBHAYAPATHAK"**SPONSORED BY PRAYOG FOUNDATION**

A program was organized on 'NirbhayaPathak' Margadarshan sponsored by "Prayog foundation" Pudhari on 19th December 2019, in RadhabaiShinde hall, CSIBER, Kolhapur. The Program was commenced with the arrival of chief guest PI of Rajarampuri, Kolhapur Mr Navnath Ghogare and PSI of Kolhapur and Head of NirbhayaPathak Mrs Anita Menkar. Principal of CNCVCW Dr A.R. Kulkarni, Teaching, non-teaching staff and 500 students were present for the program.

Details of the program:

- The program was started at 12.00 with the welcome note and felicitation of the events chief guests P.I Mr Navnath Ghogare and PSI and Head of NirbhayaPathak Mrs Anita Menkar done by Principal Dr, A.R Kulkarni.
- P.I of Kolhapur Mr .Navnath Ghogare informed us about the special acts for women implemented by government and the recent crime activities taken place in India till date and the actions taken by police on them.
- PSI and Head of NirbhayaPathak Mrs Anita Menkar gave us a very useful audio visual presentation as well as speech which made our students aware of NirbhayaPathak. She also guided our students with new acts for women, precautions to be taken in any unfavourable situations.
- There was a demonstration of self defence by Taekwondo expert.
- An interactive session was held for students.

The program was successfully concluded with presidential speech by Principal Dr.A.r. Kulkarni and vote of thanks given to PSI and Head of NirbhayaPathak Mrs Anita Menkar.

Program was covered by Pudhari news paper . Photos and news article is attached herewith the report.





आत्मविश्वासाने निर्भय बना

दै. 'पुढारी' प्रयोग सोशल फाऊंडेशनतर्फे युवतींच्या सुरक्षिततेची जनजागृती

- पोलिस निरीक्षक नबनाथ घोगे, पोलिस उपनिरीक्षक अनिता मेनकर यांनी केले प्रबोधन
- सायबर कॉलेजमध्ये युवतींचा उत्कृष्ट सहभाग

कोल्हापूर : प्रतिनिधी

सोशल मीडियावरील वॉट्स ग्रुपचीकडे लक्ष्यात आकर्षित होऊन लागली आहे. सोशल मीडिया वॉट्स ग्रुपून त्यामधून काय त्याचे आणि काय टाळावे याचे भान तत्काय विसरत घालली आहे. त्यामुळे समाजत महिलांवरील छेडछाडीच्या प्रकारात शिवीरेडियस वाद होऊन लागली आहे. यलाचकार आणि त्यानीत आत्महत्येचे सार यातून लागण्याने समाज देखील मुन्न होऊन लागला आहे. महिलांनी मनातील नसुसुंढ व भय पावत मात करून आत्मविश्वासाने निर्भय बनले पाहिजे. त्यांचे निर्भय पणकाचे सर्वातीपरी सहकार्य घेतले, असे प्रतिपादन दै. 'पुढारी' संघटित प्रयोग सोशल फाऊंडेशनतर्फे सायबरच्या कॉलेज अशा नॉन कॅम्पेसनाल एव्होकेशनल कोर्सेस फॉर युवेन्स येथे 'युवतींची सुरक्षितता' चर्चेसत्रात मान्यवरांनी केले.

राजधामपुरी पोलिस ठाण्याचे पोलिस निरीक्षक नबनाथ घोगे म्हणाले, शिवीरेडियस महिलांवर अत्याचारांचे प्रमाण वाढत आहे. महिलांनी अत्याचारांन कडवा, तक्रार देण्यासाठी पुढे यावे. तक्रार देणाऱ्या महिलांचे नाव गोपनीय ठेवले जाते. महिलांविषयक कायदे अधिक कडक करण्यात आले आहेत. एखाद्यावेळी



कोल्हापूर : दै. 'पुढारी' प्रयोग सोशल फाऊंडेशनतर्फे सायबरच्या कॉलेज अशा नॉन कॅम्पेसनाल एव्होकेशनल कोर्सेस फॉर युवेन्स येथे 'युवतींची सुरक्षितता' चर्चेसत्रात मान्यवरांनी पोलिस निरीक्षक नबनाथ घोगे, पोलिस उपनिरीक्षक अनिता मेनकर व सायबर कॉलेजच्या विद्यार्थिनी. सुरक्षा छायाचित्रण सायबर कॉलेजच्या विद्यार्थिनी स्वसंरक्षणेचे प्राथमिक अनुभवतात. (छाया : तय्यब अली)

हलक्या हाता सर महिलांनी प्रतिकार करून तो वेगळ्या पांढरे त्यांच्याडील मारणे, शस्त्रांचे सहय घेणे पाहिजे. धट्टा किती मोठी किती छोटी हा विषय नसून छेड काढण्यापासून जखम ताकण्यासाठी निर्भयने महिलांनी पुढे यावे. पोलिस प्रकाशन महिलांच्या दक्षतेसाठी सर्वेस त्तर असाय्यावेदी घोराने सांगितले.

पोलिस उपनिरीक्षक व निर्भयता पणक वसुध अनिता मेनकर म्हणाल्या, संस्कार, संस्कृतीचे जतन ठेवण्याचे केले पाहिजे. एखादी गोष्ट व कळत आसल्या हातून धट्टी तर आपण खोटी म्हणून विषय संपायतो. मात्र, कायदात खोटी म्हणून प्रसन्न सुटा नाही. कायदा ही दुपारी तलवार असून हातून खिटीत



पकडण्यासाठी ती धावत असले गर्जेचे आहे. भक्कम पुढल्याच्या आधारे खोपीत कटोर शिक्षा होण्याचा मदत होवे. एखाद्याने छेड काढली तर गुण बनू नका, तक्रार देऊन त्याला पचा तिकाय. कॉलेज युवतींनी तात मानेने समाजात यावरले पाहिजे. टयाळखोरांना हलक्या हाताण्यासाठी निर्भयने पुढे पायलाच पाहिजे. त्यासाठी स्मरणा आत्मविश्वास बळकट करा. बलिष्ठ व समाजात वावरताना कोठे काय पावलेस पाकडे सस असावे. छेड काढण्यासाठी

दै. 'पुढारी' च्या उपक्रमांमुळे आत्मविश्वास वाढला युवती प्रयोग सोशल फाऊंडेशन विल्हात विविध सामाजिक उपक्रम राबवून समाजात दिश देत आहे. या उपक्रमांमुळे भावविद्यार्थीन मुक्त -युवतींचा आत्मविश्वास वाढू लागला आहे. निर्भय पणकांची सुरक्षितता असाय्यावेदी युवतींवर पोलेवाळण्यासाठी दै. 'पुढारी' ने बळ दिले आहे. सांगून पोलिस उपनिरीक्षक घोगे यांनी 'पुढारी' च्या यतीने सुरक्षितता सामाजिक उपक्रमांचे कोणूक केले.

येणाऱ्या ख्यातीला विशिष्ट अशी वेतसभूषा नको, त्यासाठी युवतींची नजर घाणाथ असावी लागते. जिल्हातून टयाळखोरांचे टयाळख करणाऱ्यांनी निर्भय पणक सज्ज असाय्यावेदी त्यांनी सांगितले. यांवर मेनकर यांनी युवतींनी विषयवलेल्या प्रकरणात तय्यब उभे राहिले. हजेर

महिलेसंघ हक्क आणि कायदे पावत रस्ताईत खोडारे विशेष प्रबोधन केले. न्युचे व तापकनीते प्रशिक्षक संतोष कश्ये, पोलिस कॉन्स्टेबल गुड्ड भोपाळे यांनी छेडछाड व हलक्यातून सुटका काती करून त्यागी याची प्राथमिक दायगिती, यामध्ये निर्भय पणकांरथ अन्विता तारळेकर,

कोमल पाटील यांयादी सहभाग होता. कार्यक्रमाच्या प्रारंभी निर्भय घटनेवर आध्यातित शूलक्या वसुधपातून प्रबोधन काळ्यात आली. यामध्ये अरुण देसाई, विदुलेष सलगा, अनिकेत कंबळे, अतुल साळुंघे यांचा समावेश होता. कॉलेजचे प्राचार्य डॉ. ए. आर. कुलकर्णी यांनी प्राथमिक काळ कानंक्रम्याचा उद्देश स्पष्ट केला. आभार सा. सायल पागार यांनी मानले. यावेळी प्रा. अमर मेरो, रविहत खोडेंकर, आदर्श पळ्याण, अरुण पाटील, साय रंथो, सांफो रॉड्रिग, ज्येठ पाटील, नीलम शिरो, सायली मंडन, निता नाळे, विदुले शिरोवले उपस्थित होते. मुससंचालन प्रा. नेता पाटील यांनी केले.

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CSIBER Trust's



College of Non-Conventional Vocational

Courses for Women, Kolhapur

Department of Environment science

Report on – Eco-friendly God Ganesha Making Programme

Background:

In Maharashtra, Ganesh festival is celebrated with so much enthusiasm in every house. During this festival, Ganesha idols made up of Plaster of Paris are often brought to home for worshipping. But as Plaster of Paris contaminates the water resources, so there is a need to celebrate this festival in environment friendly manner. With the objective of creating awareness for eco-friendly celebration of this festival, eco-friendly god Ganesha idol making from clay was organized on 30th August, 2019 by the department of Environment Science.

Celebration of Eco-friendly God Ganesha Idol Making Programme:

This programme was organized on 30th August, 2019 at 12pm. For this programme, Mrs. Rachana K. Ahire was invited as resource person. Programme started with felicitation and introduction of resource person. Principal Dr. A. R. Kulkarni guided the students about harmful effects of anthropogenic activities during festivals. Later, Mrs. Rachana Ahire gave demo to students for preparing god Ganesha idol from clay. Total 116 students from various departments had participated in this programme. The evaluation was done by Mrs. Rachana K. Ahire. The names of the winners are given below.

Prize	Name of students
1 st prize	Neha Jadhav
2 nd prize	Shruti Bhambure, Anagha Sokashe
3 rd prize	Ambika Pandharbale, Tina Mahajan



S.A. Chavan
dept of Env. science.



Estd. 1962
NAAC 'A' Grade
MHRD NIRF - 28th Rank

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शिवाजी वि./अ.मं/3069

दि. 14/07/2017

प्रति,

मा. प्राचार्य/संचालक/समन्वयक/अधिविभागप्रमुख,
सर्व संलग्नित महाविद्यालये/मान्यताप्राप्त संस्था/संबंधित अधिविभाग,
शिवाजी विद्यापीठ, कोल्हापूर

विषय - सर्व विद्याशाखेअंतर्गत भाग-1 पदवी अभ्यासक्रमांमध्ये 'लोकशाही, निवडणूक व सुशासन' हया सक्तीच्या विषयाचा अभ्यासक्रमाचा समावेश केल्याबाबत.

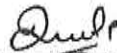
महोदय/महोदया,

उपरोक्त विषयसंदर्भात आपणास आदेशान्वये कळविण्यात येते की, राज्य निवडणूक आयोगाच्या दिनांक 13-06-2017 च्या पत्रास अनुसरून शैक्षणिक वर्ष 2017-18 पासून विद्यापीठ अधिकार मंडळाने सर्व विद्याशाखेअंतर्गत भाग-1 पदवी अभ्यासक्रमांमध्ये 'लोकशाही, निवडणूक व सुशासन' हया सक्तीच्या विषयाचा समावेश केला आहे. सदर अभ्यासक्रम सोबत (Soft Copy)जोडला असून तो विद्यापीठाच्या www.unishivaji.ac.in हया संकेत स्थळावर उपलब्ध करण्यात आला आहे.

- 1) उपरोक्त विषयाचा अभ्यासक्रम हा सर्व विद्याशाखेअंतर्गत पदवी अभ्यासक्रमाच्या भाग-1 साठी सक्तीचा असून तो सर्व विद्यार्थ्यांनी स्वयं अध्ययन पद्धतीने शिकायचा आहे.
- 2) सदर विषयाची परीक्षा एकूण 25 प्रश्नांची 50 गुणांची MCQ पद्धतीची असेल परीक्षा उत्तीर्ण होण्यासाठी संबंधित विद्यार्थ्यांना किमान 40 टक्के गुण(20 गुण) प्राप्त करावे लागतील.
- 3) त्याची परीक्षा ही महाविद्यालयीन स्तरावर घ्यावयाची असून त्याचे प्रमाणपत्र संबंधित महाविद्यालयीन स्तरावर घ्यावयाचे आहे व उत्तीर्ण विद्यार्थ्यांची यादी संबंधित अधिविभागप्रमुख/प्राचार्यांनी विद्यापीठाच्या संबंधित परीक्षा विभागास सादर करावयाची आहे.
- 4) संबंधित विद्यार्थी ही परीक्षा उत्तीर्ण झाल्याशिवाय तो पदवी प्रमाणपत्रासाठी पात्र होणार नाही.

तेव्हा उपरोक्त बाब सर्व संबंधित विद्यार्थी व शिक्षकांच्या निदर्शनास आणावी.
कळावे,

आपला विश्वासू,


उपकुलसचिव

प्रत:-


1. स्वीय सहाय्यक, मा.कुलगुरु, मा.प्रभारी प्र.कुलगुरु,
मा.कुलसचिव व मा.परीक्षा-नियंत्रक संचालक, परीक्षा व शैक्षणिक मंडळ
2. प्रभारी अधिष्ठाता सर्व विद्याशाखा व अध्यक्ष, विशय समन्वय समिती } यांना माहितीसाठी
3. बी.ए., बी.कॉम, बी.एस्सी,
4. इतर परीक्षा 1, 2, 3, 4 विभाग
4. परीक्षक नियुक्ती विभाग
5. संलग्नता विभाग
6. दूरशिक्षण केंद्र
7. पात्रता विभाग
8. आय.टी.सेल
9. सभा विभाग
10. पी.जी.बी.यु.टी.आर. विभाग
11. पी.जी.प्रवेश विभाग
12. पी.जी.सेमिनार


यांना माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी





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DEPT of env. Sci


Shamal Poojar
Dept. of Food Technology


A. Patil
Department of Food Technology


A.N. Musky


R.B. Topkar



SHIVAJI UNIVERSITY, KOLHAPUR

Implemented from Academic year 2017-18

Compulsory for First Year D
egree courses under All Faculties
Syllabus for First Year Bachelors


Module: Democracy, Elections and Good Governance

• Democracy in India

- Dimensions of Democracy: Social, Economic and Political
- Decentralisation: Grassroots Level Democracy
- Challenges before Democracy: women and marginalised sections of the society

• Election to Local Self Government Bodies

- 73rd and 74th Constitutional Amendment Acts: Institutions at the local level and Role of State Election commission
- Local Body Elections: Urban & Rural
- Duties of an Individual towards electoral process



PRINCIPAL,
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Vocational Courses For Women
Kolhapur.



- **Good Governance**

- Meaning and concept
- Government and Governance
- Good Governance initiatives in India

Rationale: the rationale of the study is to make the pupils aware of the importance of democracy. What constitute democracy, what is its importance from the point of view of the role of individual and what exactly can a individual get if he performs his role well in the society. This module also aims to make the individual understand the different aspects of democracy and its implications in the overall development of the state. The syllabus is introduced from the point of view that all students upon entering into the college, enroll themselves as voters and encourage and enthuse other members of the society to participate not only in election process but also electoral and political process in general.


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SHIVAJI UNIVERSITY, KOLHAPUR

SYLLABUS FOR PERSONALITY DEVELOPMENT SKILLS AS PER CBCS INTRODUCED FROM
JUNE, 2018

B.A., B.COM. AND B.SC. PART-I, SEMESTER-II

Objectives:

- To understand the scope of personality and its development.
- To develop core skills for development of self.
- To cultivate interpersonal skills for successful life.

Syllabus:

UNIT I: Self-Development Skills

- 1.1. Introduction to Personality
- 1.2. Self-Esteem and Self-Confidence
- 1.3. Thinking and Problem Solving Skills
- 1.4. Stress Management
- 1.5. SWOT Analysis and Goal-Setting

UNIT II: Interpersonal Skills

- 2.1. Hard Skills and Soft Skills
- 2.2. Effective Communication
- 2.3. Skills for successful interview
- 2.4. Leadership
- 2.5. Social Empathy



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(A. N. Meshy)

R. B. Topkar
R. B. Topkar



SHIVAJI UNIVERSITY, KOLHAPUR

B.A., B. Com. and B. Sc. and other under Graduate
Degree Programme (For Sem II)

Choice Based Credit System

Skill Development Course

(Non-Credit Course)

Self Instructional Material (SIM)

YOGA AND PHYSICAL MANAGEMENT SKILL

(To be implemented from Part - I Second Term of 2018-19)



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A. N. M. Jyoti
A. N. M. Jyoti

R.B. Topkar
R.B. Topkar

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SHIVAJI UNIVERISTY, KOLHAPUR-416 004. MAHARASHTRA
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 फॅक्स : ००९१-०२३१-२६९१५३३ व २६९२३३३. e-mail: bos@unishivaji.ac.in

SU/BOS/6060

Date:- 19/06/2019

To,
The Principal,
 All Affiliated Colleges/Institutes,
 Shivaji University,
 Kolhapur

Subject: Regarding syllabi of **Environmental Studies for all under graduate degree Programme Part – II** of all faculties.

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the University authorities have accepted and granted approval to the syllabi of **Environmental Studies for all under graduate degree programme Part – II** of all faculties.

The concerned syllabi shall be implemented from the academic year 2019-20 (i.e. from June, 2019) onwards. All these syllabi are also made available on University website www.unishivaji.ac.in.

You are therefore requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,

Dy Registrar

Copy to:

1) I/c Dean, All Faculty	6) B.Sc. Section
2) Chairman, Ad-hoc Board of Environmental Studies	7) Computer Centre
3) Appointment Section	8) P.G.Admission
4) Affilation Section	9) P.G.Seminar.
5) Eligibility Section



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Registrar Topkar.

Shivaji University, Kolhapur
Syllabus of Environmental Studies
as a Compulsory Paper for all Undergraduate Courses
2019-20

- Unit 1. Nature of Environmental Studies :** (3 lectures)
 Definition, scope and importance.
 Multidisciplinary nature of environmental studies
 Need for public awareness.
 Concept of sustainability. Sustainable development and it's goals with Indian context.
- Unit 2. Ecosystems :** (9 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)
 Degradation of the ecosystems and it's impacts.
- Unit 3. Natural Resources and Associated Problems :** (8 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: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Consumerism ,ecological foot prints, carbon foot prints, carbon credits.
 Role of an individuals in conservation of natural resources. Equitable use of resources for sustainable lifestyles.



Unit 4. Biodiversity and its conservation :**(8 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-spots 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. Convention on Biological Diversity.

Unit 5. Environmental Pollution :**(8 lectures)**

Definition: Causes, effects and control measures of: Air pollution,

Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards.

Global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.

Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Solid waste management control rules.

Role of an individual in prevention of pollution.

Unit 6. Social Issues and the Environment :**(9 lectures)**

Human population growth, impact on environment. Human Health and welfare.

Environmental ethics: Role of Indian religious traditions and culture in conservation of the environment.

Environmental movements- Chipko Movement, Appiko Movement, Silent Valley.

Resettlement and rehabilitation of people; its problems and concerns.

Water conservation, rain water harvesting, watershed management. water conservation by Dr.Rajendra Singh, Anna Hazare etc.

Disaster management: floods, earthquake, cyclone, tsunami and landslides.

Wasteland reclamation.

Environmental communication and public awareness, case studies.

Unit 7. Environmental Protection- Policies and practises :**(5 lectures)**

Environmental Protection Act.

Air (Prevention and Control of Pollution) Act.

Water (Prevention and control of Pollution) Act

Wildlife Protection Act

Forest Conservation Act

National and International conventions and agreements on environment.



Unit 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.

(Field work is equal to 10 lecture hours)

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- 23) Wagner K.D.,1998, Environmental management, W.B. Saunders Co.Philadelphia, USA 499p.
- 24) Paryavaran shastra – Gholap T.N.
- 25) Paryavaran Sahastra – Gharapure
M) Magazine (R) Reference (TB) Textbook

