S.P.MANDAL'S

KANKAVLI COLLEGE, KANKAVLI

DEPARTMENT OF GEOGRAPHY

Programme Outcomes And Course Outcomes

TEACHING FACULTY		
Sr. No	**Teacher Name**	**Designation**
1	Dr. Patil S.N.	Head & Associate Professor
2	Dr. Rathod B.L.	Assistant Professor
3	Mr. Jaykar T.N.	Assistant Professor

Academic Year: 2021-2022

LIST OF PROGRAM NAME, COURSE NAME AND TEACHER NAME

Sr.No.	Program Name	Program Code	Course Name	Course Code	Teacher Name
1	F.Y.B.A.(Sem-I)	3A00141	Human Geography	UAGEO101	Dr.S.N.Patil
			Foundation Course in NCC - I	UBAFSI.6.3	Dr.B.L.Rathod
2	F.Y.B.A.(Sem-II)	3A00142	Geography of Environment	UAGEO201	Dr.S.N.Patil
			Foundation Course in NCC - II	UBAFSII.6.3	Dr.B.L.Rathod
3	S.Y.B.A.(Sem-III)	3A00143	An Introduction to Climatology	UAGEO 301	Dr.S.N.Patil
			Physical Geography of India	UAGEO 302	Dr.B.L.Rathod
			Demography- I	303_A	Mr.T.N.Jaykar
			Foundation Course- II	UAFC301	Mr.T.N.Jaykar
			Foundation Course in NCC - II	UAFC303	Dr.B.L.Rathod
4	S.Y.B.A.(Sem-IV)	3A00144	An Introduction To Oceanography	UAGEO 302	Dr.S.N.Patil
			Agriculture Geography of India	UAGEO 402	Dr.B.L.Rathod
			Demography- II	403_A	Mr.T.N.Jaykar
			Foundation Course- II	UAFC401	Mr.T.N.Jaykar
			Foundation Course in NCC - II	UAFC403	Dr.B.L.Rathod
5	T.Y.B.A.(Sem-V)	3A00145	Geography of settlement	UAGEO 501	Dr.S.N.Patil
			Geography of Maharashtra	UAGEO 502	Dr.S.N.Patil
			Tools and techniques in geography for spatial analysis-I (Practical)	UAGEO 503	Mr.T.N.Jaykar
			Regional Planning and Development	UAGEO 504	Dr.B.L.Rathod
			Geography of Resources	UAGEO 505	Mr.T.N.Jaykar
			Geospatial Technology	UAGEO 506	Dr.B.L.Rathod

Sr.No.	Program Name	Program Code	Course Name	Course Code	Teacher Name
6	T.Y.B.A. (Sem-VI)	3A00146	Environmental Geography	UAGEO 601	Dr.S.N.Patil
			Geography of Tourism and Recreation	UAGEO 602	Dr.S.N.Patil
			Tools and techniques in geography for spatial analysis-II (Practical)	UAGEO 603	Mr.T.N.Jaykar
			Economic Geography	UAGEO 604	Dr.B.L.Rathod
			Biogeography	UAGEO 605	Mr.T.N.Jaykar
			Research Methodology in Geography	UAGEO 606	Dr.B.L.Rathod
7	F.Y.B.Com. (Sem-I)	2C00141	Environmental Studies -I	UBCOMFSI.5	Dr.S.N.Patil & Mr.T.N.Jaykar
			Foundation Course in NCC- I	UBCOMFSI 6.3	Dr.B.L.Rathod
8	F.Y.B.Com. (Sem-II)	2C00142	Environmental Studies -II	UBCOMFSII.5	Dr.S.N.Patil & Mr.T.N.Jaykar
			Foundation Course in NCC- II	UBCOMFSII 6.3	Dr.B.L.Rathod
9	S.Y.B.Com. (Sem-III)	2C00143	Foundation Course III	UBCOMFSIII 6.1	Mr.T.N.Jaykar
			Foundation Course in NCC- III	UBCOMFSIII 6.3	Dr.B.L.Rathod
			Travel and Tourism Management -I	UBCOMFSIII.5.05	Dr.B.L.Rathod
10	S.Y.B.Com. (Sem-IV)	2C00144	Foundation Course IV	UBCOMFSIV 6.1	Mr.T.N.Jaykar
			Foundation Course in NCC- IV	UBCOMFSIV 6.3	Dr.B.L.Rathod
			Travel and Tourism Management -II	UBCOMFSIV.5.05	Dr.B.L.Rathod
11	F.Y.B.Sc. (Sem-I)	1S00141	Foundation Course in NCC- I	UBScFSI.6.3	Dr.B.L.Rathod
12	F.Y.B.Sc. (Sem-II)	1S00142	Foundation Course in NCC- II	UBScFSII.6.3	Dr.B.L.Rathod
13	S.Y.B.Sc. (Sem-II)	1S00143	Foundation Course in NCC III	USFC303	Dr.B.L.Rathod
14	S.Y.B.Sc. (Sem-IV)	1S00144	Foundation Course in NCC III	USFC403	Dr.B.L.Rathod

Dr.S.N.Patil
Head & Associate Professor
Department of Geography

B. A. in Geography (Part I+II+III System)

Geography mainly concerns changes in spatial attributes from a temporal perspective. The Honours program in geography is tailored to meet the students' specific educational and professional goals in mind. It focuses on spatial studies, qualitative as well as quantitative, and emphasizes the human-environment relationship. During the first year of the program, the students are trained on advanced concepts of physical and human geography. The third year allows them to concentrate on specific areas of the subject, on which they complete their field reports. After completing the course, the students will be amply prepared for professional careers in geography and allied disciplines like GIS and Remote Sensing. They will also be able to pursue M.A. /M.Sc. Course in Geography.

PSO1.Acquiring Knowledge of Physical Geography:

The student will gain knowledge of physical geography. The student will have a general understanding of the geomorphological and geotechnical processes and formation. They will be able to correlate the knowledge of physical geography with human geography.

PSO2.Acquiring Knowledge of Human Geography:

They will be able to acquire the knowledge of Human Geography and will correlate it with their practical life.

PSO3. The ability of Problem Analysis:

The student will be able to analyze the problems of physical as well as cultural environments of both rural and urban areas. Moreover, they will try to find out the possible measures to solve those problems.

PSO4.Conduct Social Survey Project:

They will be eligible for conducting a social survey project which is needed for measuring the status of development of a particular group or section of the society.

PSO5. Application of modern instruments:

Students will be able to learn the application of various modern instruments and by these, they will be able to collect primary data.

PSO6. Application of GIS and modern Geographical Map Making Techniques:

They will learn how to prepare a map based on GIS by using modern geographical map-making techniques.

PSO7. Development of Observation Power:

As a student of the Geography Honours Course, they will be capable to develop their observation power through field experience, and in the future, they will be able to identify the socio-environmental problems of a locality.

PSO8. Development of Communication Skill and Interaction Power:

After the completion of the project, they will be efficient in their communication skill as well as the power of social interaction. Some of the students are being able to understand and write effective reports and design credentials, make effective demonstrations, and give and receive clear instructions.

PSO9.Enhancement of the ability of Management:

Demonstrate knowledge and understanding of the management principles and apply these to their work, as a member and leader in a team, to manage projects. They will perform effectively as an individual, and as a member or leader in diverse teams, and multidisciplinary settings.

PSO10. Understand Environmental Ethics and Sustainability:

Understand the impact of the acquired knowledge in societal and environmental contexts, and demonstrate the knowledge of the need for sustainable development.

PSO11.Life-long learning:

Identify the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of societal and environmental change.

S.P.Mandal's
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Syllabus

Programmme: F.Y.B. A. (Sem-I) **Course: Human Geography**
Program Code: 3A00141 **Course Code: UAGEO101**

(As per the Credit Based Semester and Grading System with effect from the academic year 2020-21

Year : 2020-21 **Semester : I**

Course Outcomes:

- To understand the Human Geography as a basic branch of Geography along with the Dichotomy Environmentalism and Possibilism.
- It aims to understand the racial groups in the world and man- environment conflict and Ecological crises.
- To understand world population growth and distribution and it also aims to familiarize the students to the population policies.

SEM-I

UNIT-I Human Geography: An Introduction

- Human Geography - Meaning, Definition, Nature, Scope
- Branches of Human Geography
- Different Approaches of Human Geography
- Man Environment relation, Determinism Possibilism, Probabilism

UNIT-II Population

- Trends and Patterns of World Population change
- Demographic Transition Model
- Population Density, its distribution and its growth
- Concept and Problems of Under-population, over-population and optimum population

UNIT-III Settlement

- Concept of Urban and Rural Settlements
- Types and Pattern of settlement
- Site and Situation
- Functional classification of Urban settlement

UNIT-IV Migration

- Concept and Types of Migration
- Causes of migration – pull and push; Consequences/effects of migration
- Patterns and processes of migration
- Emerging trends of migrations or Issues of legal and illegal international migration Migrant refugee crisis

UNIT-V Practical

- Map - Definition, Components, Type and Importance
- Map scale - Definition, Verbal Scale and Graphical Scale
- Construction of Choropleth Maps, Isopleth, Dot and Flow Maps

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Syllabus

Programmme: F.Y.B. A. (Sem-II) **Course: Geography of Environment**
Program Code: 3A00142 **Course Code: UAGEO201**
(As per the Credit Based Semester and Grading System with effect from the academic year 2020-21

Year : 2020-21 **Semester : II**

Course Outcomes:

- Understand Nature, scope and importance Environmental Geography.
- Study about biogeochemical cycles.
- Acquire knowledge about biodiversity.
- Understand environmental problems there Cause, Effect and Remedies.
- Get knowledge about environmental hazards and management.
- Understand the various environmental protection acts.

SEM-II

UNIT - I: Fundamentals of Environmental Geography

- Definition, Meaning of environment Environmental Geography: Concepts, Scope and Contents
- Nature, scope and importance
- Man's interaction with Environment
- Relationship of Environmental geography with other sciences

UNIT - II: Ecosystem Structure and Functions

- Ecosystem - meaning and definition and its Structure
- Functions: Energy flow in ecosystem, food chains, food webs, food pyramid
- Classification of Ecosystem detail study of Desert, Rainforest and fresh water lake ecosystem
- Biogeochemical Cycles: Hydrological, Carbon and Nitrogen

Unit - III: Contemporary Environmental Issues

- Pollution - Air and Water Pollution - causes, effects
- Land and Noise Pollution - causes, effects
- Major environmental issues - global warming, Ozone depletion and acid rain
- Major Environmental Movements - Save Amazon forest or Green peace Movement, Chipko movement, Save Narmada,

UNIT - IV: Natural Resources and Biodiversity

- Natural resources - meaning, definitions and importance
- Types of natural resources:
- Causes of depletion and methods/measures of natural resources conservation
- Bio-diversity in India and its conservation

UNIT-V: Map Filling and Construction Of Cartograph (Practical)

- Map Filling - World
- Interpretation or question answer on thematic maps drawn with techniques - Choropleth Maps, Isopleth, Dot Maps and Flow Maps

: Question Paper Pattern :

MARKS: - 100 TIME: 3 HRS

N.B:

1. All questions are compulsory.
2. Figures to the right indicate marks to a sub-question.
3. Use of map stencils and simple calculator is allowed.

Q. 1 Long answer question on unit –I (Any Two)……20 Marks
a)
b)
c)

Q. 2 Long answer question on unit –II (Any Two)……20 Marks
a)
b)
c)

Q. 3 Long answer question on unit –III (Any Two)……20 Marks
a)
b)
c)

Q. 4 Long answer question on unit –IV (Any Two)……20 Marks
a)
b)
c)

Q. 5 Long answer question on unit –V (Any Two)……20 Marks
a)
b)
c)

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Programmme: S.Y.B.A.(Sem-III) **Course: An Introduction to Climatology**
Program Code: 3A00143 **Course Code: UAGEO 301**

(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : III**

Course Outcomes:

- Students should know the fundamental branches of Geography in general and Climatology in particular.
- Students should get acquainted with the climatologically Concepts.
- Students should know the basis of Human development by studying these Physical branches of geography.

Unit-I: Introduction to Climatology

- Definition, nature, scope and branches of climatology
- Concept and elements of weather and climate
- Composition and structure of atmosphere
- Insolation: Vertical and horizontal distribution of temperature

Unit-II: Air Pressure and Atmospheric Circulation

- Air pressure: Influencing factors – Tricellular model
- Horizontal distribution of air pressure
- Wind: Types of winds – global, regional and local
- Upper air circulation – jet stream (concept, origin and effects)

Unit-III: Humidity and Precipitation

- Humidity: Types - absolute, relative and specific
- Condensation and its forms
- Precipitation and its types
- Global distribution of rainfall

Unit-IV: Climate and Weather Phenomena

- Cyclones: tropical and temperate
- Anti-cyclones and tornados
- El Nino and Indian monsoon
- Global warming and climate change

Unit-V: Practical Component

- IMD: Weather signs and symbols, Interpretation of IMD weather maps
- Construction of :wind rose, climograph and hythergraph

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Programmme: S.Y.B.A., Sem-IV **Course: An Introduction To Oceanography**
Program Code:3A00143 **Course Code: UAGEO 302**
(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : IV**

Course Outcomes:

- Understand importance of ocean.
- Knowledge about effect of ocean Currents.
- Understand human impacts on Ocean.
- Study about types of tides.
- To make aware about jadeites use of water.
- To understand Watershed management and water harvesting Structure.

Unit-I: Nature of Oceanography

- Origin and Development of Oceanography
- Oceanography : meaning, definition, nature and scope
- Branches of oceanography: physical chemical and biological
- Major Oceans and its characteristic features

Unit-II: Bottom Relief and Ocean Water

- Ocean floor and its characteristics
- Composition of ocean water
- Factors affecting ocean water temperature
- Vertical and horizontal distribution of ocean temperature
- Factors affecting salinity of ocean water
- Vertical and horizontal distribution of oceanic salinity

Unit-III: Movements of Ocean Water

- Waves- Formation and types
- Tsunami and their effects on coast
- Concept and types of Tides
- Equilibrium theory of Tides
- Ocean Currents – types and their effects

Unit-IV: Man and Ocean

- El- Niño and La-Niña phenomenon
- Coral reefs and their importance
- Marine Ecosystem
- Marine pollution
- Oceans and global climate change

Unit-V: Practical Component

- Map filling : Related to Oceanography
- Reading and Interpretation of navigation charts and bathymetric maps

: Question Paper Pattern :

Duration: 3 hours		**Marks: 100**
N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils and simple Calculator is allowed. 3. Attach appendix along with answer paper.		
Q. 1	**Practical, Unit – V** A) Weather signs and symbols B) Interpretation / question answers on weather maps C) Construction of one diagram based on climatic data	**20 marks** (05 Marks) (05 Marks) (10 Marks)
Q. 2	**Unit-I**	**20 Marks**
	OR	
Q.2	**Unit-I**	**20 Marks**
Q. 3	**Unit-II**	**20 Marks**
	OR	
Q. 3	**Unit-II**	**20 Marks**
Q. 4	**Unit-III**	**20 Marks**
	OR	
Q. 4	**Unit-III**	**20 Marks**
Q. 5	**Unit-IV**	**20 Marks**
	OR	
Q. 5	**Unit-IV**	**20 Marks**

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Programmme: S.Y.B.A.(Sem-III) **Course: Physical Geography of India**
Program Code: 3A00143 **Course Code: UAGEO 302**

(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : III**

Course Outcomes:

- To acquaint the students with distinct dimensions of India.
- To focus the climate of India and mechanism of monsoon of India.
- To make students aware of the magnitude and nature of problem & Prospectus of national & state level on geographical basis.
- To understand the physical setup of the country.

Unit-I: Introduction of India

- India: Location , extent and significance
- India: Major physiographic divisions and their formation
- Mountainous region of India
- North Indian plains
- Peninsular plateau of India
- Coastal plains and islands of India

Unit-II: Drainage and Climate

- Drainage System in India (Himalayan and Peninsular drainage system)
- Major Himalayan rivers of India
- Major Peninsular Rivers of India
- Major lakes of India
- Seasons in India
- Distribution of rainfall in India

Unit-III: Soils and Natural Vegetation

- Classification of soils of India
- Problems associated with soils and its remedies in India
- Classification of Forest in India
- Importance of Forest in Indian context
- Deforestation and measures of forests conservation in India

Unit-IV: Mineral and Power Resources

- Distribution of Metallic Minerals in India: Iron ore, manganese, bauxite, copper and other important minerals
- Distribution of Non-Metallic Minerals in India: Mica, limestone, gypsum, clay and other important minerals
- Distribution of Power Resources : Coal, mineral oil and natural gas, thorium and uranium
- Depletion and conservation of minerals and power resources in India

Unit-V: Practical Component

- Map filling: Showing geographical features in the Map of India (Related to physiography)
- Map Scale – Types, Conversion and drawing

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Programmme: S.Y.B.A.(Sem-IV) **Course: Agriculture Geography of India**
Program Code:3A00144 **Course Code: UAGEO 402**

(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : IV**

Course Outcomes:

- To understand the concept and development of Agriculture.
- To examine the role of agricultural determinants towards the changing cropping pattern.
- To study the Green Revolution.
- The course also aims to familiarize the students with the Agricultural concepts and modern technologies used in Agriculture

Unit-I: Introduction to Agricultural Geography

- Definition, nature and scope of agricultural geography
- Approaches: regional approach, systematic approach, commodity approach, recent approaches
- Importance of agriculture in Indian economy
- Factors influencing agriculture in India
- India a agro-product exporting country

Unit-II: Introduction to Indian Agriculture

- Salient features of Indian agriculture
- Types of farming in India
- Major crops of India
- Agro- climatic regions of India
- Problems associated with Indian agriculture (Natural, Socio-Economic and Political)

Unit-III: Green Revolution in India

- Introduction of Green Revolution in India
- Components of Green Revolution
- Positive impacts of Green Revolution
- Negative impacts of Green Revolution
- Need for sustainable agriculture in India
- Agriculture in drought prone region and watershed management

Unit-IV: Recent Trends in Agriculture

- White revolution and livestock resources,
- Genetic engineering, tissue culture and horticulture
- Poly house agriculture
- Agro processing in India
- Agro-tourism
- Agro forestry

Unit- V Practical Component

- Interpretation/ question- answer on thematic maps related to agriculture of India (NATMO and other)
- Drawing of Statistical Diagrams and Graphs: Simple line graphs, multiple line, simple bar, compound bar and band graph

: Question Paper Pattern :

Duration: 3 hours		**Marks: 100**
N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils and simple Calculator is allowed. 3. Attach appendix along with answer paper.		
Q. 1 **Practical, Unit - V** 5.1 10 Marks 5.2 10 Marks		
Q. 2	Unit-I	20 Marks
OR		
Q.2	Unit-I	20 Marks
Q. 3	Unit-II	20 Marks
OR		
Q. 3	Unit-II	20 Marks
Q. 4	Unit-III	20 Marks
OR		
Q. 4	Unit-III	20 Marks
Q. 5	Unit-IV	20 Marks
OR		
Q. 5	Unit-IV	20 Marks

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Programmme: S.Y.B. A. (Sem-III) **Course: DEMOGRAPHY- I**
Program Code:3A00143 **Course Code: 303_A**
(As per the Credit Based Semester and Grading System with effect from the academic year 2020-21

Year : _____ **Semester : III**

Course Outcomes:

- Students will be aware about nature and scope of demography and theories of population.
- Students will be aware about scientific features of census and demographic survey.
- Students will be aware about techniques of analysis and study of fertility.

Unit: I Introduction

- How demography is different from population science
- Applications in other disciplines
- Nature, scope and importance of demography
- Population theories: Malthus, Optimum theory of population, Demographic transition theory
- Trends in population growth: Developed Vs. Developing Countries

Unit: II Sources of demographic data

- Sources of demographic data in developed and developing countries
- Features of Indian census (2011 census)
- National Sample Survey
- Civil registration system- Relative merits and demerits

Unit: III Basic concepts and measures

- Concept related to fertility and mortality
- Crude Birth Rate (CBR)
- Crude Death Rate (CDR)
- Standardized birth rates (SBR)
- Standardize Death Rate (SDR)
- Methods to rectify the errors in Age Data - Whipples Index, Myers Index,
- UN's Method-Relative merits and demerits.

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Programmme: S.Y.B. A.(Sem-IV) **Course: DEMOGRAPHY- II**
Program Code:3A00144 **Course Code: 403_A**
(As per the Credit Based Semester and Grading System with effect from the academic year 2020-21

Year : _____ **Semester : IV**

Course Outcomes:

- Students will be aware about population science, demography and economic development, theory of demography transition.
- Students will be aware about the basic concepts of nuptiality and fertility.
- Students will be aware about the basic concepts of morbidity, mortality, and infant and child mortality rate.
- Students will be able to understand the concepts of migration and population projection.

Unit: I Basic Concepts

- Fertility – Delimitation and factors affecting fertility
- Nuptiality –Definition, age at marriage and factors affecting nuptiality
- Mortality - Definition and factors affecting mortality
- Life Table – Definition and types.

Unit: II Migration and Urbanization

- Migration – Definition and types, factors affecting migration
- Theory of Migration (Harris - Todaro model), issues related to migration
- Urbanization - Definition, trends and patterns of urbanization in India
- Problems of urbanization in India (poverty, food supply, water, sanitation, housing, slum areas, employment, health, education, transport, environment)

Unit: III Population Policy in India

- Evolution of India's population policy;
- Shift in policy focus from population control to family welfare to women empowerment;
- Family Planning & Family Welfare Programmes : Importance and methods;
- Population Projection in India

: Question Paper Pattern :

MARKS: - 100 TIME: 3 HRS

N.B:

1. All questions are compulsory.
2. Figures to the right indicate marks to a sub-question.
3. Use of map stencils and simple calculator is allowed.

Q. 1 Long answer question on unit –I (Any Two)……25 Marks
a)
b)
c)

Q. 2 Long answer question on unit –II (Any Two)……25 Marks
a)
b)
c)

Q. 3 Long answer question on unit –III (Any Two)……25 Marks
a)
b)
c)

Q. 4 Short Notes (Any Two)……25 Marks
a)
b)
c)

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Programmme: S.Y.B. A.(Sem-III) **Course: Foundation Course**
Program Code: 3A00143 **Course Code: UAFC301**
(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : III**

Course Outcomes:

- To understand the human rights.
- To understand the human rights issues in addressing disasters.
- To understand the interrelation and distinction between science and technology.
- To understand the soft skills for effective interpersonal communication.

Module 1 Human Rights Provisions, Violations and Redressal

- Scheduled Castes- Constitutional and legal rights, Forms of violations, Redressal mechanisms.
- Scheduled tribes- Constitutional and legal rights, Forms of violations, Redressal mechanisms.
- Women- Constitutional and legal rights, Forms of violations, Redressal mechanisms.
- Children- Constitutional and legal rights, Forms of violations, Redressal mechanisms.
- People with Disabilities, Minorities, and the Elderly population- Constitutional and legal rights, Forms of violations, Redressal mechanisms.

Module 2 Dealing With Environmental Concerns

- Concept of Disaster and general effects of Disasters on human life- physical, psychological, economic and social effects.
- Some locally relevant case studies of environmental disasters.
- Dealing with Disasters - Factors to be considered in Prevention, Mitigation (Relief and Rehabilitation) and disaster Preparedness.
- Human Rights issues in addressing disasters- issues related to compensation, equitable and fair distribution of relief and humanitarian approach to resettlement and rehabilitation.

Module 3 Science and Technology I

- Development of Science- the ancient cultures, the Classical era, the Middle Ages, the Renaissance, the Age of Reason and Enlightenment.
- Nature of science- its principles and characteristics; Science as empirical, practical, theoretical, validated knowledge.
- Science and Superstition- the role of science in exploding myths, blind beliefs and prejudices; Science and scientific temper- scientific temper as a fundamental duty of the Indian citizen.
- Science in everyday life- technology, its meaning and role in development; Interrelation and distinction between science and technology.

Module 4 Soft Skills for Effective Interpersonal Communication

Part A

- Effective Listening - Importance and Features.
- Verbal and Non-Verbal Communication; Public-Speaking and Presentation Skills.
- Barriers to Effective Communication; Importance of Self-Awareness and Body Language.

Part B

- Formal and Informal Communication - Purpose and Types.
- Writing Formal Applications, Statement of Purpose (SOP) and Resume.
- Preparing for Group Discussions, Interviews and Presentations.

Part C

- Leadership Skills and Self-Improvement - Characteristics of Effective Leadership.
- Styles of Leadership and Team-Building.

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Programmme: S.Y.B. A.(Sem-IV) **Course: Foundation Course**
Program Code: 3A00144 **Course Code: UAFC401**
(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : IV**

Course Outcomes:

- To understand the human rights of Indian citizens
- To understand the Environmental Principles.
- To understand the some significant modern technologies, features and applications.
- To understand the basic information of competitive examinations and soft skills required for competitive examinations.

Module 1 Significant, contemporary Rights of Citizens

A. Rights of Consumers-Violations of consumer rights and important provisions of the Consumer Protection Act, 2016; Other important laws to protect consumers; Consumer courts and consumer movements.

B. Right to Information- Genesis and relation with transparency and accountability; important provisions of the Right to Information Act, 2005; some success stories.

C. Protection of Citizens'/Public Interest-Public Interest Litigation, need and procedure to file a PIL; some landmark cases.

D. Citizens' Charters, Public Service Guarantee Acts.

Module 2 Approaches to understanding Ecology

A. Understanding approaches to ecology- Anthropocentrism, Biocentrism and Eco centrism, Ecofeminism and Deep Ecology.

B. Environmental Principles-1: the sustainability principle; the polluter pays principle; the precautionary principle.

C. Environmental Principles-2: the equity principle; human rights principles; the participation principle.

Module 3 Science and Technology II

Part A: Some Significant Modern Technologies, Features and Applications:
i. Laser Technology- Light Amplification by Stimulated Emission of Radiation; use of laser in remote

sensing, GIS/GPS mapping, medical use.

ii. Satellite Technology- various uses in satellite navigation systems, GPS, and imprecise climate and weather analyses.

iii. Information and Communication Technology- convergence of various technologies like satellite, computer and digital in the information revolution of today's society.

iv. Biotechnology and Genetic engineering- applied biology and uses in medicine, pharmaceuticals and agriculture; genetically modified plant, animal and human life.

v. Nanotechnology- definition: the study, control and application of phenomena and materials at length scales below 100 nm; uses in medicine, military intelligence and consumer products.
Part B: Issues of Control, Access and Misuse of Technology.

Module 4 Introduction to Competitive Examinations
Part A. Basic information on Competitive Examinations- the pattern, eligibility criteria and local centers:
i. Examinations conducted for entry into professional courses - Graduate Record Examinations (GRE), Graduate Management Admission Test GMAT), Common Admission Test (CAT) and Scholastic Aptitude Test (SAT).

ii. Examinations conducted for entry into jobs by Union Public Service Commission, Staff Selection Commission (SSC), State Public Service Commissions, Banking and Insurance sectors, and the National and State Eligibility Tests (NET / SET) for entry into teaching profession.

Part B. Soft skills required for competitive examinations-
i. Information on areas tested: Quantitative Ability, Data Interpretation, Verbal Ability and Logical Reasoning, Creativity and Lateral Thinking

ii. Motivation: Concept, Theories and Types of Motivation

iii. Goal-Setting: Types of Goals, SMART Goals, Stephen Covey's concept of human endowment

iv. Time Management: Effective Strategies for Time Management

v. Writing Skills: Paragraph Writing, Report Writing, Filing an application under the RTI Act, Consumer Grievance Letter.

QUESTION PAPER PATTERN (Semester III & IV)

The Question Paper Pattern for Semester End Examination shall be as follows:

TOTAL MARKS: 75 **DURATION: 150 MINUTES**

QUESTION NUMBER	DESCRIPTION	MARKS ASSIGNED
1	**i.** Question 1 A will be asked on the meaning / definition of concepts / terms from all Modules. **ii.** Question 1 B will be asked on the topic of the Project / Assignment done by the student during the Semester **iii.** In all 8 Questions will be asked out of which 5 have to be attempted.	**a) Total marks: 15** **b)** For 1 A, there will be 3 marks for each sub-question. **c)** For 1 B there will be 15 marks without any break-up.
2	Descriptive Question with internal option (A or B) on Module 1	15
3	Descriptive Question with internal option (A or B) on Module 2	15
4	Descriptive Question with internal option (A or B) on Module 3	15
5	Descriptive Question with internal option (A or B) on Module 4	15

S.P.Mandal's
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Syllabus

Programmme: T.Y.B.A. (Sem-V) **Course: Geography of Settlements**
Program Code: 3A00145 **Course Code: UAGEO501**

(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : V**

Course Outcomes:

- To Study the basic of Urban & Rural Geography.
- To Study the types of Urban & Rural Settlements, site & Situation.
- To get the ideas of relationship between human activities & urban development.
- To make the students capable for handling the present problematic situation in Urban and rural areas.
- The students studying this syllabus will become good planner and environmental Conservator.

UNIT – I: Introduction of Settlement Geography

- Settlement geography: definitions, nature and scope
- Settlement types, their characteristics and differences
- Factors influencing growth and distribution of settlements
- Importance of settlement studies in geography

UNIT – II: Geography of Rural Settlements

- Origin and growth of settlements - evolution of rural settlements
- Site and situation of rural settlements
- Classification of rural settlements on the basis of population and patterns
- Classification of rural settlements on the basis of spacing and functions

UNIT – III: Rural Settlements in India

- Distribution and density of rural settlements in India
- Structure of house and building materials in India
- Regional variations in rural settlement patterns in India
- Morphology of rural settlement in India

UNIT – IV: Urban Settlements

- Origin and growth of urban settlements
- Classification of urban settlements on the basis of culture and functions
- Hierarchy of urban Settlement: rank size rule and primate city
- Ashok Dutts's models of South Asian city: port city and bazaar city

UNIT – V: Urban Settlements in India

- Urbanisation in India: Trends, patterns and types of towns
- Morphology of urban settlements in India (With reference to a port and inland city)
- Urban problems in Indian cities
- Smart city: Concept, need and implementation in India

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Programmme: T.Y.B.A. (Sem-VI) **Course: Environmental Geography**
Program Code: 3A00146 **Course Code: UAGEO601**

(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : VI**

Course Outcomes:

- Understand Structure, Components of Atmosphere.
- Study about Nutrient cycling.
- Acquire knowledge about biodiversity.
- Understand environmental problems there Cause, Effect and Remedies.
- Get knowledge about environmental hazards and management.
- Understand the various environmental protection acts.

UNIT -I Introduction to Environmental Geography No. of Lectures

- Environmental Geography: Definition, Nature, Scope and Importance
- Environment: Meaning, Factors and Types
- Approaches to the Study of Man – Environment Relationship
- Changing Man - Environment Relationship in Historical Perspective

UNIT-II Ecosystem

- Meaning and Structure of Ecosystem
- Ecological Pyramids and Productivity of Ecosystem
- Functions of Ecosystem: Food Chain & Web, Energy Transfer, Biogeochemical Cycles
- Types of Ecosystems: Aquatic, Terrestrial, and Aqua-Terrestrial Ecosystems

UNIT-III Biodiversity

- Biodiversity: Concept, Types and Distribution
- Biodiversity Hotspots: Concept, and Distribution in India with Special Reference Western Ghats
- Threat to Biodiversity: Causes
- Conservation of Biodiversity and Management of Biological Reserves

UNIT-IV Environmental Challenges in India

- Air pollution and Water Pollution: Cases and Effects
- Land and Noise Pollution: Cases and Effects
- Environmental Issues Related to High/large Dams
- Major environmental Movements in India

UNIT-V Sustainable Development and Environmental Management

- Concepts and Need of Sustainable Development and Environmental Management
- Eco-friendly Lifestyle and Need of Environmental Education
- Biosphere Reserves and Wildlife Management in India
- Environmental Impact Assessment

: Question Paper Pattern :

Time: 3 hours		**Marks:100**
	N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils is permitted. 3. Draw sketches and diagrams wherever necessary.	
Q. 1	Long answer question on Unit-I	20 Marks
	Long answer question on unit –I for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 2	Long answer question on Unit-II	20 Marks
	Long answer question on unit II for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 3	Long answer question on Unit-III	20 Marks
	Long answer question on unit III for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 4	Long answer question on Unit-IV	20 Marks
	Long answer question on unit IV for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 5	Long answer question on Unit-V	20 Marks
	Long answer question on unit V for 20 Marks or Two short answer questions each 10 Marks	20 Marks

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Programmme: T.Y.B. A. (Sem-V) **Course: Geography of Maharashtra**
Program Code: 3A00145 **Course Code: UAGEO502**
(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : V**

Course Outcomes:

- Understand the Geographical Setting of Maharashtra
- Understand the natural resources and human resources
- Study of agricultural regions, recent issues and policies
- Get knowledge of major industrial regions

Unit-I : Maharashtra: Geographical Setting

- Location, extent and boundaries
- Administrative setup and divisions
- Relief and climate
- Drainage system

Unit-II : Natural Resources

- Soils
- Natural vegetation
- Minerals
- Power resources

Unit-III : Human Resources

- Population growth
- Distribution –urban-rural and population density
- Structure of population : Age-sex
- Occupational structure of population

Unit-IV :Agriculture, Fishing and Livestock Resources

- Salient features of agriculture
- Agricultural regions, recent issues and policies
- Fisheries, recent issues and policies
- Livestock resources recent issues and policies

Unit-V: Industries, Trade and Transport

- Major industrial regions
- Role of transport in industrial development
- Industrial issues and policies
- Trade and transport

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Syllabus

Programmme: T.Y.B. A. (Sem-VI) **Course: Geography of Tourism and Recreation**
Program Code: 3A00146 **Course Code: UAGEO602**
(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : VI**

Course Outcomes:

- Understand the history of tourism
- Understand the types of tourism
- Study of new trends of tourism
- Get knowledge of tourism law

Unit-I -Introduction to Tourism Geography

- Definition , Nature and Scope
- Trends of Tourism Development in World
- Factors of Tourism Development - Geographical components
- Factors of Tourism Development - Socio-cultural and political

Unit-II Types & Impact of Tourism

- Types of Tourism,
- New Trends in Tourism,
- Positive impact of Tourism on Environment, Socio-culture and Economy
- Negative Impact of Tourism on Environment, Socio-culture and Economy

Unit-III - Infrastructure of Tourism and Ancillary Services

- Accommodation
- Transportation
- Travel Agencies and Tour Guide
- Documentation and Ticketing

Unit-IV - Planning of Tourism and Organisation

- Need of Planning and Elements of Planning
- Levels of Planning
- Tourism Organizations - IATA, PATA, I.T.D.C. and M.T.D.C
- Incredible India campaign

Unit-V Potential Tourism Sectors in Maharashtra and Tourism Policy

- Coastal tourism in Maharashtra
- Adventure tourism in Sahyadri
- Heritage tourism in Maharashtra
- Tourism Policy of Maharashtra State

: Question Paper Pattern :

Time: 3 hours		**Marks:100**
	N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils is permitted. 3. Draw sketches and diagrams wherever necessary.	
Q. 1	Long answer question on Unit-I	20 Marks
	Long answer question on unit –I for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 2	Long answer question on Unit-II	20 Marks
	Long answer question on unit II for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 3	Long answer question on Unit-III	20 Marks
	Long answer question on unit III for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 4	Long answer question on Unit-IV	20 Marks
	Long answer question on unit IV for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 5	Long answer question on Unit-V	20 Marks
	Long answer question on unit V for 20 Marks or Two short answer questions each 10 Marks	20 Marks

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Syllabus

Programmme: T.Y.B. A. (Sem-V)
Program Code: 3A00145

Course: Tools And Techniques In Geography For Spatial Analysis-I (Practical)
Course Code: UAGEO 503
(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : V**

Course Outcomes:

- To introduce the students with the importance of field work & advanced Techniques in Geography.
- To provide training in application of modern tool & techniques in Geography.
- To enhance the skill of the students in instrumental survey.
- To enable the students to understand the use of computer for analysis of Geographical data.
- To give basic information to the students about Arial Photographs, Remote Sensing, GIS and GPS.

Unit -I Map Projections

- Basic Concepts – Definition, scale, direction, azimuth, graticule, great circle, true meridian, types of projections, choice of projections
- Zenithal Polar Projections – Equal Area, Equidistant
- Cylindrical Projections - Equal Area, Equidistant
- Conical Projections - One standard parallel, two standard parallel

Unit-II Map Basic

- Basic elements of map and calculation or identification of relief,
- direction, bearing and distance
- Area calculation with square method and strip method
- Demarcation of watershed on toposheet, Tracing of stream
- network and contours

Unit-III Survey of India Toposheets

- Signs and symbols, marginal information 09
- Study of physiography, drainage and vegetation (one full toposheet of hilly and plateau region each)
- Study of settlements – size, pattern, utilities (one full toposheet of plains and urban region each)
- Study of transport network (one full toposheet of plains and urban area each)

Unit-III Preparation of Thematic maps (Manually)

- Preparation of a district thematic maps with actual data- Dot and Pictogram
- Preparation of a district thematic maps with actual data- Choropleth and Isopleth
- Preparation of a district thematic maps with actual data- Located bar, located circle and pie chart

Unit-V Use of computers in geographical data representation

- Construction of line graphs & simple and multiple bar graphs using MS-excel
- Construction of divided bar graphs & pie charts using MS-excel
- Preparation of datasheet in SPSS
- Calculation of central tendency and standard deviation using SPSS

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Syllabus

Programmme: T.Y.B. A. (Sem-VI)
Program Code: 3A00146

Course: Tools And Techniques In Geography For Spatial Analysis-II (Practical)
Course Code: UAGEO 603
(As per the Credit Based Semester and Grading System with effect from the academic year2018-19

Year : _____ **Semester : VI**

Course Outcomes:

- To introduce the students with the importance of field work & advanced Techniques in Geography.
- To provide training in application of modern tool & techniques in Geography.
- To enhance the skill of the students in instrumental survey.
- To enable the students to understand the use of computer for analysis of Geographical data.
- To give basic information to the students about Arial Photographs, Remote Sensing, GIS and GPS.

Unit -I Nature of data and central tendency Lectures

- Meaning and types of data, variable, observation, observation value, simple, discrete data and continuous data
- Frequency Distribution, Histogram, Frequency Polygon and Ogive
- Measures of Central Tendency- mean, median and mode

Unit -II Dispersion and Deviation

- Mean Deviation and Quartile Deviation
- Standard Deviation
- Moving Averages (3 years and 5 years)

Unit -III Correlation, Regression & Hypothesis Testing

- Calculation of correlation coefficient - Pearson's and Spearman's methods
- Regression analysis
- Chi square test

Unit-IV Sampling

- Sample and sample design in geography
- Point sampling –Systematic and random
- Line sampling – Systematic and random
- Area sampling – Systematic and random

Unit-V Field work in Geography of any one place/village

- C**ollection of physiographic data** – Field observation, field sketching, collection of soil and rock samples, identification of vegetation etc.
- C**ollection of socio-economic data** – interviews, questionnaire survey, visits to local governing office, NGO's etc.
- C**ollection of geospatial data** – toposheets, aerial photographs, Google images/maps Bhuvan images etc.

To prepare a geographical report **of a place** with the help of an available 5.1, 5.2, and 5.3 aspects

: Question Paper Pattern :

MARKS: - 100 TIME: 4 HRS

N.B:

1. All questions are compulsory.
2. Figures to the right indicate marks to a sub-question.
3. Use of map stencils and simple calculator is allowed.

Q. 1 Unit-I……16 Marks
Q. 2 Unit–II……..16 Marks
Q. 3 Unit–III……16 Marks
Q. 4 Unit–IV……16 Marks
Q. 5 Unit–V……...16 Marks
Q. 6 Journal and Viva……20 Marks

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Syllabus

Programmme: T.Y.B. A. (Sem-V)
Program Code: 3A00145

Course: Regional Planning and Development
Course Code: UAGEO 504
(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : V**

Course Outcomes:

- Understand the concept of regional planning and development
- Understand the process and politics in regional planning
- Study and Problems of urban development
- Study the value of regional planning and development

UNIT – I: Understanding Regional Planning

- Planning: Concept, types and need
- Regional planning: Concept, nature, relation with Geography
- Role of surveys and geospatial technology in regional planning
- Problems associated with regional planning

UNIT – II: Concept of Region in Planning

- Region: Concept, types and delineation
- Planning Regions: Need, characteristics and hierarchy
- Demarcation of planning regions: Principles, criteria and methods
- Perroux's Growth Pole Theory and regional planning

UNIT – III: Understanding Regional Development

- Development: Concept and indicators
- Regional disparities in development: Concept and measurements
- Spatial and Non-Spatial Models of Development with Special Reference to
- Rostow's Model and Myrdal's Model
- Strategies for regional development

UNIT – IV: Regional Planning in India – I

- Five-Year Plans: Features, achievements and failure
- Multi-level planning in India
- Planning regions of India
- Changing planning mechanism of India: NITI Ayog

UNIT – V: Regional Planning in India – II

- Micro level planning in rural area
- Backward area development programme
- Urban fringe of Indian cities: Problems and planning
- Metropolitan Planning: A Case of Mumbai Metropolitan Region

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Syllabus

Programmme: T.Y.B. A. (Sem-VI)
Program Code: 3A00146

Course: Economic Geography
Course Code: UAGEO 604
(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : VI**

Course Outcomes:

- To acquaint the students with distinct dimensions of India.
- To understand the economic setup of the country.
- To get information about air ways, railways, and road ways in India.
- To get information about transport and trade in India

Unit – 1. : Introduction of Economic Geography

- Definition, Nature, Scope and Branches of Economic Geography
- Approaches of Economic Geography and Relation with other social sciences
- Concept and Operation of Economy
- Resources: Concept, Classification and Importance in Economy

Unit – 2. : Economic Activities

- Economic Activities: Type and Characteristics
- Factors Affecting Economic Activities
- Agriculture and Lumbering: Types and Distribution
- Fishing and Animal Husbandry: Types and Distribution

Unit – 3. : Minerals and Industries

- Minerals: Importance, Characteristics and Distribution of Iron Ore, Manganese, Coal and Mineral Oil
- Factors Affecting Industrial Locations
- Weber's Industrial Location Theory
- Major Industrial Regions of the World

Unit – 4. : Transport and International Trade

- Transportation: Importance and influencing factors
- Major Transport Patterns in the World
- Patterns of International Trade: Composition and Direction
- Major International Trade Organizations: WTO, OPEC, SAARC, G-20 and BRICS

Unit – 5 : Economic Development of India

- Levels of Economic Development in India
- Globalization and its impact on Indian economy
- Special Economic Zones: Concept and issues in India
- Environment and Economic Development and related issues

: Question Paper Pattern :

Time: 3 hours		**Marks:100**
	N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils is permitted. 3. Draw sketches and diagrams wherever necessary.	
Q. 1	Long answer question on Unit-I	20 Marks
	Long answer question on unit –I for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 2	Long answer question on Unit-II	20 Marks
	Long answer question on unit II for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 3	Long answer question on Unit-III	20 Marks
	Long answer question on unit III for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 4	Long answer question on Unit-IV	20 Marks
	Long answer question on unit IV for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 5	Long answer question on Unit-V	20 Marks
	Long answer question on unit V for 20 Marks or Two short answer questions each 10 Marks	20 Marks

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Syllabus

Programmme: T.Y.B. A. (Sem-V)
Program Code: 3A00145

Course: Geography of Resources
Course Code: UAGEO 505
(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : V**

Course Outcomes:

- Understand Structure, Components of Atmosphere.
- Study about Nutrient cycling.
- Understand the value of Resource.
- Understand the types of Resource.
- Get knowledge about environmental hazards and management.
- Make aware about conservation of resources.

UNIT – I: Introduction to the Resources

- Meaning and importance of the natural resources
- Factors influencing on resource utilization and related theories
- Classification of resources
- Issues with renewable and non-renewable resources

UNIT – II: Natural resources: over exploitation and conservation measures

- Over exploitation and depletion of natural resources
- Resource consumption pattern in the developed and underdeveloped countries
- Need and measures for resource conservation
- Sustainable use of natural resources

UNIT – III: Natural Resources, Part –I

- Distribution of water resources on the Earth
- Water consumption pattern, water pollution and water conservation
- Distribution of forest resources in the world
- Deforestation and forest conservation

UNIT – IV: Natural Resources Part –II

- Soil composition and factor affecting soil formation
- Soil degradation and its conservation
- Minerals and their classification
- Use of energy minerals and their conservation

UNIT – V: Human Resources

- Concept of human resource: skilled and unskilled workers
- Distribution of population in the world
- Concept of over, under and optimum population
- Population Resource regions

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Programmme: T.Y.B. A. (Sem-VI)
Program Code: 3A00146

Course: Geography of Resources
Course Code: UAGEO 605
(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19

Year : _____ **Semester : VI**

Course Outcomes:

- To acquaint the students with importance of biogeographic studies
- To understand the components of ecosystem and ecosystem productivity.
- To get information about components of ecosystem and ecosystem productivity.
- To get information about biodiversity conservation

Unit-I: Introduction to Biogeography

- Biogeography-Concept, definition, nature and scope
- Historical development and branches of Biogeography
- Approaches in Biogeography
- Importance of Biogeographic studies

Unit-II: Ecosystem and Biosphere

- Ecosystem: Concept, meaning and types
- Components of ecosystem and ecosystem productivity
- Biosphere: Concept, meaning and components
- Biogeographic processes

Unit -III: Plant Community

- Concept of plant community and classification of plants
- Biotic succession and climax vegetation
- Major plant formation and biomes- Tropical
- Major plant formation and biomes- Temperate

Unit –IV: Marine Biogeography

- Marine Biogeography meaning and concept
- Types of ocean habitats
- Biogeography of estuaries
- Island biogeography

Unit-V: Biodiversity

- Meaning and types of Biodiversity
- Importance of Biodiversity
- Causes of Biodiversity loss
- Biodiversity conservation

: Question Paper Pattern :

Time: 3 hours		**Marks:100**
	N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils is permitted. 3. Draw sketches and diagrams wherever necessary.	
Q. 1	Long answer question on Unit-I	20 Marks
	Long answer question on unit –I for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 2	Long answer question on Unit-II	20 Marks
	Long answer question on unit II for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 3	Long answer question on Unit-III	20 Marks
	Long answer question on unit III for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 4	Long answer question on Unit-IV	20 Marks
	Long answer question on unit IV for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 5	Long answer question on Unit-V	20 Marks
	Long answer question on unit V for 20 Marks or Two short answer questions each 10 Marks	20 Marks

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Programmme: T.Y.B. A. (Sem-V) **Course: Geospatial Technology**
Program Code: 3A00145 **Course Code: UAGEO 506**

(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19
Year : _____ **Semester : V**

Course Outcomes:

- To introduce the students with the importance of field work & advanced Techniques in Geography.
- To provide training in application of modern tool & techniques in Geography.
- Give basic information to the students about Arial Photographs, Remote Sensing, GIS and GPS.

UNIT - I Remote Sensing – I

- Geospatial Technology: Concept, Components and Importance
- Remote Sensing: Concept, Process and Geographical Applications
- Electromagnetic Energy, EMR and EMS - Spectral Reflectance and
- Spectral Signature or Curve - Platforms, Sensors and Resolution
- Elements of Visual Image Interpretation - Mapping of Thematic Layers and Visual Image Interpretation of Physical and Manmade Features

UNIT - II Remote Sensing – II

- Digital image analysis: land use and landform classification, 3D view of DEM
- Aerial Photographs: Concept, Process and Types
- Interpretation of Aerial Photographs
- Advanced Remote Sensing Technology - Use of Bhuvan website

UNIT - III Global Positioning System

- GPS : Concept, Segments, Applications
- Types of GPS – GPS Data Accuracy and Errors
- Factors Affecting GPS Data - Global Navigation System
- Ground Survey and Demarcation of Point, Line and Polygon Features with GPS Device – Transfer GPS Data to Computer with Softwares like Easy GPS

UNIT - IV Geographic Information System – I

- GIS : Concept, Components and Applications - Map Projection and Coordinate System
- GIS Data Acquisition and Types
- Importing Image into GIS Software and Geo-referencing
- Creating Layers by Digitization of Point, Line and Polygon Features

UNIT V Geographic Information System – II

- Functions of Database Creation – Input, Editing and Linking
- Spatial Database Analysis: Overlay, Merge, Query
- Using Map-Composer for Map Layout and Design
- Preparation of Thematic Maps

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Programmme: T.Y.B. A. (Sem-VI) **Course: Research Methodology in Geography**
Program Code: 3A00146 **Course Code: UAGEO 606**

(As per the Credit Based Semester and Grading System with effect from the academic year 2018-19
Year : _____ **Semester : VI**

Course Outcomes:

- To understand the concepts in research methodology.
- To give basic information to the students about research.
- To get familiar with principles and techniques of research.
- To understand the process and value of geographical research.
- To develop skills for applying ICT in geography.
- To aware the students research methodology with recent technology.

UNIT I Research Methodology in Geography

- Research in Geography: Concept, Types, Steps and Significance
- Research Methodology: Meaning and Types (Qualitative and Quantitative)
- Defining the Research Problem: Meaning, Need and Techniques
- Research Designs: Concept, Need and Features

UNIT II Data Collection and Processing

- Sample Design, Measurement and Scaling
- Data Collection in Geography: Types (Primary and Secondary) and Methods (Observation, Questionnaire, Schedule, Interview, etc.)
- Role of Internet in Research: Online Research Referencing (Shodhganga, INFLIBNET, ResearchGate, Academia, Mendeley, etc.)
- Data Processing: Editing, Coding, Classification and Tabulation

UNIT III Data Analysis

- Data Analysis: Meaning, Significance and Types
- Using MS-Excel and SPSS for Data Analysis: Graphical, Descriptive and Inferential Statistical Representation
- Hypothesis: Meaning, Types, Levels of Significance, Degrees of Freedom and Errors
- Statistical Techniques for Hypothesis Testing

UNIT IV Digital Data Analysis and Research Report Writing

- Techniques of Spatial and Non-spatial data Analysis in GIS Softwares (QGIS)
- Techniques of Data Analysis in Satellite Image Processing Softwares (SAGA)
- Basics of Research Report Writing: Layout, Structure, Language, Bibliography, References and Footnotes
- Ethics in Research: Plagiarism

UNIT V Preparation of Research Report

- Research Report on any One Theme in Physical Geography or Human Geography

: Question Paper Pattern :

MARKS: - 100 TIME: 4 HRS

N.B:

1. All questions are compulsory.
2. Figures to the right indicate marks to a sub-question.
3. Use of map stencils and simple calculator is allowed.

Q. 1 Unit-I……18 Marks
Q. 2 Unit–II……..18 Marks
Q. 3 Unit–III……18 Marks
Q. 4 Unit–IV……18 Marks
Q. 5 Unit–V…….. 18 Marks
Q. 6 Journal and Viva……10 Marks

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Programmme: F.Y.B.Com (Sem-I) **Course: Environmental Studies**

Program Code:2C00141 **Course Code: UBCOMFSI.5**

(As per the Credit Based Semester and Grading System with effect from the academic year 2016-17

Year : _____ **Semester : I**

Course Outcomes:

- To create an environmental awareness among commerce students.
- Make aware students about various environmental factors and its relation to the field of Commerce.
- To highlight functional and spatial links between environment, economy and society.
- To create an insight into various environmental issues at various levels and environmental movements towards making environment sustainable.

Unit I Environment and Ecosystem

Environment: Meaning, definition, scope and its components; concept of an ecosystem: definition, Characteristics, components and types, functioning and structure; Food Chain and Food Web- Ecological Pyramids - Man and environment relationship; Importance and scope of Environmental Studies.

Unit II Natural Resources and Sustainable Development

Meaning and definitions ; Classification and types of resources, factors influencing resource; Resource conservation- meaning and methods- l and non-conventional resources, problems associated with and management of water, forest and energy resources- resource utilization and sustainable development

Unit III Populations and Emerging Issues of Development

Population explosion in the world and in India and arising concerns- Demographic Transition Theory - pattern of population growth in the world and in India and associated problems - Measures taken to control population growth in India; Human population and environment- Environment and Human Health – Human Development Index – The World Happiness Index

Unit IV Urbanization and Environment

Concept of Urbanization– Problems of migration and urban environment- changing land use, crowding and stress on urban resources, degradation of air and water, loss of soil cover impact on biodiversity, Urban heat islands – Emerging Smart Cities and safe cities in India - Sustainable Cities

Unit V Reading of Thematic Maps and Map Filling

Reading of Thematic Maps:

Located bars, Circles, Pie charts, Isopleths, Choropleth and Flow map, Pictograms - Only reading and interpretation.

Map Filling:

Map filling of World (Environmentally significant features) using point, line and polygon segment. Concept and Calculation of Ecological Footprint.

S.P.Mandal's
KANKAVLI COLLEGE,KANKAVLI
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Syllabus

Programmme: F.Y.B.Com (Sem-II) **Course: Environmental Studies**

Program Code:2C00142 **Course Code: UBCOMFSI.5**

(As per the Credit Based Semester and Grading System with effect from the academic year 2016-17

Year : _____ **Semester : II**

Course Outcomes:

- To create an environmental awareness among commerce students.
- Make aware students about various environmental factors and its relation to the field of Commerce.
- To highlight functional and spatial links between environment, economy and society.
- To create an insight into various environmental issues at various levels and environmental movements towards making environment sustainable.

Unit I Solid Waste Management for Sustainable Society

Classification of solid wastes – Types and Sources of Solid Waste ; Effects of Solid Waste Pollution-Health hazards, Environmental Impacts; Solid Waste Management – solid waste management in Mumbai-Schemes and initiatives run by MCGM – role of citizens in waste management in Mumbai

Unit II Agriculture and Industrial Development

Environmental Problems Associated with Agriculture: Loss of Productivity, Land Degradation, desertification - Uneven Food Production – Hunger, Malnutrition and Food Security – Sustainable Agricultural practices Environmental Problems Associated with Industries – pollution -Global warming, Ozone Layer Depletion, Acid rain, Sustainable Industrial practices – Green Business and Green Consumerism, Corporate Social Responsibility

Unit III Tourism and Environment

Tourism: Meaning, Nature, Scope and importance –Typology of tourism- classification; Tourism potentials in India and challenges before India; New Tourism Policy of India; Consequences of tourism: Positive and Negative Impacts on Economy, Culture and environment- Ecotourism

Unit IV Environmental Movements and Management

Environmental movements in India: Save Narmada Movement, Chipko Movement, Appiko Movement, Save Western Ghat and Save Jaitapur; Environmental Management: Concept, need and relevance; Concept of ISO 14000 and 16000; Concept of Carbon Bank and Carbon Credit.EIA - Environment Protection Acts – Concept and components of Geospatial Technology- Applications of GST in Environmental Management.

Unit V Map Filling

Map filling of Konkan and Mumbai (Environmentally significant features and GST centers) using point, line and polygon segment. Concept and Calculation of Environmental Performance Index (EPI)

: Question Paper Pattern :

Maximum Marks: 100
Questions to be set: 06
Duration: 03 Hrs.
All Questions are Compulsory Carrying 15 Marks each.

Question No	Particular	Marks
Q-1	Objective Questions A) Sub Questions to be asked 12 and to be answered any 10 B) Sub Questions to be asked 12 and to be answered any 10 (*Multiple choice / True or False / Match the columns/Fill in the blanks)	20 Marks
Q-2	Full Length Practical Question	15 Marks
	OR	
Q-2	Full Length Practical Question	15 Marks
Q-3	Full Length Practical Question	15 Marks
	OR	
Q-3	Full Length Practical Question	15 Marks
Q-4	Full Length Practical Question	15 Marks
	OR	
Q-4	Full Length Practical Question	15 Marks
Q-5	Full Length Practical Question	15 Marks
	OR	
Q-5	Full Length Practical Question	15 Marks
Q-6	A) Theory questions B) Theory questions **OR** Short Notes To be asked 06 To be answered 04	10 Marks 10 Marks 20 Marks

Note:
Practical question of 15 marks may be divided into two sub questions of 7/8 and 10/5Marks.

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Syllabus

Programmme: S.Y.B.Com (Sem-III) **Course: Travel and Tourism Management**
Program Code: 2C00143 **Course Code: UBCOMFSIII.5.05**
(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : III**

Course Outcomes:

- Better understanding of Travel and Tourism Industry.
- Awareness about the impact and challenges in the tourism industry
- Gain insight into various career options available in Travel and Tourism Industry.

Unit I Introduction to Tourism

- Concepts, Types and Significance of Tourism
- Scope and Motives of Tourism, Risk in Tourism
- Tourism development in India- Evolution, Social & Electronic Media and its impact on tourism, Growth of tourism in India

Unit II Factors Influencing Tourism

- Environmental and Socio-economic Factors
- Historical, Cultural and Ethnical
- Educational and Political Factors

Unit III Infrastructure for Tourism

- Need, Importance and Role of Infrastructure for tourism
- Facilities- Accommodation, Safety, Logistic
- Services required for tourism- Ancillary and Supplement services

Unit IV Impact of Tourism

- Environmental and Socio-Cultural Impacts
- Economic and Other Impacts
- Sustainable Tourism- Concept, Need & Importance, Current Scenario

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Syllabus

Programmme: S.Y.B.Com (Sem-III) **Course: Travel and Tourism Management**
Program Code: 2C00144 **Course Code: UBCOMFSIV.5.05**
(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : IV**

Unit I Planning & Marketing of Tourism

- Planning- Concept, Need and Importance, Process, Approaches
- Organizing- Concept, Need and Importance, Allocation of resources
- Marketing- Concept, Elements, Segmentation, Integrated Marketing Communications (IMC)

Unit II Travel Agencies

- Essentials, Need, Importance and Fun
- ctions of Travel agencies and Tour Operators
- Procedures and Documentations- Need & Importance, Steps, Challenges, Types of documents and Itinerary Making
- Customer Relationship Management- Concept, Need and Importance, Process,SQM

Unit III Tourism Organizations

- Role of State Tourism development Corporation & its regional offices, MTDC
- Role of Tourism Organizations –IATA, PATA, WTO, ITDC.
- Social Responsibility and Ethical Concerns of Tourism

Unit IV Maharashtra Tourism Policy 2016

- Vision, Mission, Objectives and Targets of Maharashtra Tourism Policy 2016
- Policy related to Film Tourism, Rural Tourism, Adventure Tourism
- Public Private Partnership Model for growth in tourism sector

: Question Paper Pattern :

TRAVEL AND TOURISM MANAGEMENT
SEMESTER - III & IV
W.E.F. 2017-2018

Maximum Marks: 100 Duration: 03 Hours
Questions to be set: 06

Question No	Particular	Marks
Q.1	Answer Any Two of the following Out of Three questions - Module – I a) b) c)	20
Q.2	Answer Any Two of the following Out of Three questions - Module – II a) b) c)	20
Q.3	Answer Any Two of the following Out of Three questions - Module – III a) b) c)	20
Q.4	Answer Any Two of the following Out of Three questions - Module – IV a) b) c)	20
Q.5	Write short notes on any Two out of Three (On All Modules) a) b) c)	20

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Syllabus

Programmme: S.Y.B.Com (Sem-III) **Course: Foundation Course**
Program Code:2C00143 **Course Code:UBCOMFSIII.6.1**
(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : III**

Course Outcomes:

- To understand the human rights.
- To understand the human rights issues in addressing disasters.
- To understand the interrelation and distinction between science and technology.
- To understand the soft skills for effective interpersonal communication.

Module 1 Human Rights Provisions, Violations and Redressal

- Scheduled Castes- Constitutional and legal rights, Forms of violations, Redressal mechanisms.
- Scheduled tribes- Constitutional and legal rights, Forms of violations, Redressal mechanisms.
- Women- Constitutional and legal rights, Forms of violations, Redressal mechanisms.
- Children- Constitutional and legal rights, Forms of violations, Redressal mechanisms.
- People with Disabilities, Minorities, and the Elderly population- Constitutional and legal rights, Forms of violations, Redressal mechanisms.

Module 2 Dealing With Environmental Concerns

- Concept of Disaster and general effects of Disasters on human life- physical, psychological, economic and social effects.
- Some locally relevant case studies of environmental disasters.
- Dealing with Disasters - Factors to be considered in Prevention, Mitigation (Relief and Rehabilitation) and disaster Preparedness.
- Human Rights issues in addressing disasters- issues related to compensation, equitable and fair distribution of relief and humanitarian approach to resettlement and rehabilitation.

Module 3 Science and Technology I

- Development of Science- the ancient cultures, the Classical era, the Middle Ages, the Renaissance, the Age of Reason and Enlightenment.
- Nature of science- its principles and characteristics; Science as empirical, practical, theoretical, validated knowledge.
- Science and Superstition- the role of science in exploding myths, blind beliefs and prejudices; Science and scientific temper- scientific temper as a fundamental duty of the Indian citizen.
- Science in everyday life- technology, its meaning and role in development; Interrelation and distinction between science and technology.

Module 4 Soft Skills for Effective Interpersonal Communication

Part A

- Effective Listening - Importance and Features.
- Verbal and Non-Verbal Communication; Public-Speaking and Presentation Skills.
- Barriers to Effective Communication; Importance of Self-Awareness and Body Language.

Part B

- Formal and Informal Communication - Purpose and Types.
- Writing Formal Applications, Statement of Purpose (SOP) and Resume.
- Preparing for Group Discussions, Interviews and Presentations.

Part C

- Leadership Skills and Self-Improvement - Characteristics of Effective Leadership.
- Styles of Leadership and Team-Building.

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Syllabus

Programmme: S.Y.B.Com (Sem-IV) **Course: Foundation Course**
Program Code:2C00144 **Course Code:UBCOMFSIV.6.1**

(As per the Credit Based Semester and Grading System with effect from the academic year 2017-18

Year : _____ **Semester : IV**

Course Outcomes:

- To understand the human rights of Indian citizens
- To understand the Environmental Principles.
- To understand the some significant modern technologies, features and applications.
- To understand the basic information of competitive examinations and soft skills required for competitive examinations.

Module 1 Significant, contemporary Rights of Citizens

A. Rights of Consumers-Violations of consumer rights and important provisions of the Consumer Protection Act, 2016; Other important laws to protect consumers; Consumer courts and consumer movements.

B. Right to Information- Genesis and relation with transparency and accountability; important provisions of the Right to Information Act, 2005; some success stories.

C. Protection of Citizens'/Public Interest-Public Interest Litigation, need and procedure to file a PIL; some landmark cases.

D. Citizens' Charters, Public Service Guarantee Acts.

Module 2 Approaches to understanding Ecology

A. Understanding approaches to ecology- Anthropocentrism, Biocentrism and Eco centrism, Ecofeminism and Deep Ecology.

B. Environmental Principles-1: the sustainability principle; the polluter pays principle; the precautionary principle.

C. Environmental Principles-2: the equity principle; human rights principles; the participation principle.

Module 3 Science and Technology II

Part A: Some Significant Modern Technologies, Features and Applications:

i. Laser Technology- Light Amplification by Stimulated Emission of Radiation; use of laser in remote sensing, GIS/GPS mapping, medical use.

ii. Satellite Technology- various uses in satellite navigation systems, GPS, and imprecise climate and weather analyses.

iii. Information and Communication Technology- convergence of various technologies like satellite, computer and digital in the information revolution of today's society.

iv. Biotechnology and Genetic engineering- applied biology and uses in medicine, pharmaceuticals and agriculture; genetically modified plant, animal and human life.

v. Nanotechnology- definition: the study, control and application of phenomena and materials at length scales below 100 nm; uses in medicine, military intelligence and consumer products.

Part B: Issues of Control, Access and Misuse of Technology.

Module 4 Introduction to Competitive Examinations

Part A. Basic information on Competitive Examinations- the pattern, eligibility criteria and local centers:

i. Examinations conducted for entry into professional courses - Graduate Record Examinations (GRE), Graduate Management Admission Test GMAT), Common Admission Test (CAT) and Scholastic Aptitude Test (SAT).

ii. Examinations conducted for entry into jobs by Union Public Service Commission, Staff Selection Commission (SSC), State Public Service Commissions, Banking and Insurance sectors, and the National and State Eligibility Tests (NET / SET) for entry into teaching profession.

Part B. Soft skills required for competitive examinations-

i. Information on areas tested: Quantitative Ability, Data Interpretation, Verbal Ability and Logical Reasoning, Creativity and Lateral Thinking

ii. Motivation: Concept, Theories and Types of Motivation

iii. Goal-Setting: Types of Goals, SMART Goals, Stephen Covey's concept of human endowment

iv. Time Management: Effective Strategies for Time Management

v. Writing Skills: Paragraph Writing, Report Writing, Filing an application under the RTI Act, Consumer Grievance Letter.

QUESTION PAPER PATTERN (Semester III & IV)

The Question Paper Pattern for Semester End Examination shall be as follows:

TOTAL MARKS: 75 **DURATION: 150 MINUTES**

QUESTION NUMBER	DESCRIPTION	MARKS ASSIGNED
1	**i.** Question 1 A will be asked on the meaning / definition of concepts / terms from all Modules. **ii.** Question 1 B will be asked on the topic of the Project / Assignment done by the student during the Semester **iii.** In all 8 Questions will be asked out of which 5 have to be attempted.	**a) Total marks: 15** **b)** For 1 A, there will be 3 marks for each sub-question. **c)** For 1 B there will be 15 marks without any break-up.
2	Descriptive Question with internal option (A or B) on Module 1	15
3	Descriptive Question with internal option (A or B) on Module 2	15
4	Descriptive Question with internal option (A or B) on Module 3	15
5	Descriptive Question with internal option (A or B) on Module 4	15