

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Syllabus Completion Report

Academic year - 2022-2023

Class – FYBA

Semester – I

Subject Code - 11201

Div- A and B

Subject – Theory

Name of Subject – Physical Geography (G1) (110A CC 1A)

Name of Subject Teacher - Prof. Dr. Dilip Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July 2022	12	16	Introduction to Physical Geography	1) Definitions of Physical Geography
				2) Nature and scope of Physical Geography
				3) Branches of Physical Geography
				4) Introduction about the Earth system (Lithosphere, Atmosphere, Hydrosphere and Biosphere)
August 2022	12	14	Lithosphere	1) Interior of the earth
				2) Wegner's Continental Drift Theory
				3) Davis Concept of Cycle of erosion
Sept. 2022	12	14	Atmosphere	1) Structure of the atmosphere
				2) Heat Balance
				3) Pressure belts and wind system
				4) Forms and types of Precipitation
Oct. 2022	12	15	Hydrosphere	1) Hydrological cycle
				2) General structure of ocean floor
				3) Waves and Tides
				4) Field Visit (Not more than one day) for observations geographical places and landforms.

Academic year - 2022-2023

Class – FYBA

Semester – I

Subject Code - 11201

Div- C

Subject – Theory

Name of Subject – 110A CC 1A Physical Geography (G1)

Name of Subject Teacher – Prof. M. L. Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July 2022	12	14	Introduction to Physical Geography	1) Definitions of Physical Geography
				2) Nature and scope of Physical Geography
				3) Branches of Physical Geography
				4) Introduction about the Earth system (Lithosphere, Atmosphere, Hydrosphere and Biosphere)
August 2022	12	14	Lithosphere	1) Interior of the earth
				2) Wegner's Continental Drift Theory

				3) Davis Concept of Cycle of erosion
Sept. 2022	12	13	Atmosphere	1) Structure of the atmosphere
				2) Heat Balance
				3) Pressure belts and wind system
				4) Forms and types of Precipitation
Oct. 2022	12	14	Hydrosphere	1) Hydrological cycle
				2) General structure of ocean floor
				3) Waves and Tides
				4) Field Visit (Not more than one day) for observations geographical places and landforms.

Academic year - 2022-2023

Semester – III

Div – A and B

Name of Subject: Gg: 210(A) CC 1C - Environment Geography- I, (G2)

Teacher - Prof. Dr. D. M. Markad

Class – SYBA

Subject Code - 23202

Subject – Theory

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
August Sep. 2022	12	13	Introduction to Environmental Geography	1. Definition, Nature and scope of Environmental Geography.
				2. Types of Environment
				3. Importance of Environmental Geography
				4. Approaches to study of environmental Geography
Sept. 2022	12	12	Ecosystem	1. Meaning, concept and definition of ecosystem.
				2. Structure (Biotic and Abiotic factors) and food chain, Tropic Level, food web, energy flow
				3. Types of ecosystem a) Equatorial Forest and b) Pond Ecosystem
Sept./Oct. 2022	12	12	Biodiversity and its conservation	1. Concept of biodiversity
				2. Economic value and potential of biodiversity
				3. Loss of biodiversity and hotspots in India
				4. Conservation of biodiversity
Oct. 2022	12	14	Environmental Pollution	1. Concept of Pollution
				2. Air pollution-Causes, effects and control measures
				3. Water pollution-Causes, effects and control measures
				4. Soil pollution-Causes, effects and control measures

Academic year - 2022-2023

Class – SYBA

Semester – III

Subject Code - 23203

Div – A

Subject – Theory

Name of Subject – Gg: 220(A) DSE 1A - Population Geography – (S1)

Name of Subject Teacher - Prof. Dr. Dilip Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
August Sep. 2022	12	13	Introduction	1. Definition, Nature and Scope,
				2. Contextual significance of Population Geography,
				3. Relation between Population Geography and other social Sciences.
Sept.2022	12	13	Population Data& Presentation	1. Census of India
				2. National Sample Survey, Sample Registration Survey, NFHS, DLHS,
				3. Presentation of Population Data – Maps, Graphical Presentation, Computer Application
Sept./Oct. 2022	12	13	Population Growth and Demographic Attributes	1. Factors affecting Growth of Population
				2. Fertility, Mortality - (Concept, Measurement)
				3. Migration - Concept, Causes, Types
Oct. 2022	12	14	Composition of Population	1. Age-Sex pyramid, Age Structure
				2. Occupational Structure, Dependency Ratio
				3. Longevity, Life Expectancy. (with Reference to India)

Academic year - 2022-2023

Class – SYBA

Semester – III

Subject Code - 23204

Batch – A, B, C

Subject – Practical

Name of Subject – Gg: 201(A) DSE 2A - Scale and Map Projection (S2)

Name of Subject Teacher - Prof. Dr. D. M. Markad and Prof. M. L. Muluk

Month	Number of Practical's	Actual Practical's	Topic	Sub Topics
August Sep. 2022	15	15	Introduction of Maps	1. Definition of Map
				2. Elements of Map
				3. Classification of Map:
				a. On the basis of scale: i) Small scale ii) Large Scale
				b. On the basis of function: i) Physical ii) Cultural
				4. Use of map
Sept.2022	15	15	Map Scale	1. Definition of Map Scale.
				2. Types of Map Scale a. Verbal Scale b. Numerical Scale c. Graphical Scale
				3. Conversion Scale (British and Metric System) a. Verbal scale to Representative fraction b. Representative fraction into Verbal scale

				4. Construction of Simple Graphical scale (At least two examples from each)
Sept./Oct. 2022	15	16	Basic of map projection	1. Definition and types of map projection
				2. Basic Concepts of Projection: Latitude, Longitude, Parallel of latitude, Meridian of longitude, Prime meridian, Equator, Direction
				3. Calculation of time basis on meridian and GMT (Calculation of minimum two examples)
Oct. 2022	15	17	Construction, properties and use of map projections	1. Zenithal Projection a. Zenithal Polar Gnomonic Projection
				2. Conical Projection a. Conical projection with one standard parallel/Simple conical projection
				3. Cylindrical Projection a. Cylindrical equal area projection
				4. Mercator projection (At least two examples from each projection)

Academic year - 2022-2023

Class – SYBA

Semester – III

Subject Code – SEC 2A

Div – A

Subject – Theory

Name of Subject – Applied Course Of Disaster Management SEC-1

Name of Subject Teacher - Prof. Dr. D. M. Markad, Prof. M. L. Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
August Sept. 2022	6	7	Fundamental Concepts, Measurement / Parameter and Types of Disasters	a) Disaster, Hazard, Risk, Vulnerability, Resilient
				b) Magnitude, Intensity, Frequency, Duration, Spatial dispersion
Sept.2022	8	8	Phases of Disaster Management Role of Geographers and organizations	a) Concept: Mitigation, Preparedness, Response, Recovery, Rehabilitation.
				b) Role of Geographers
Sept./Oct. 2022	8	8	Comparative Assessment of Disaster Management- I	a) Earthquake: - India and Japan
				b) Flood:- India and Netherland
Oct. 2022	8	9	Assessment of Disaster Management- II	Assignment based on Primary or secondary data on any one Geographical scale-local/ regional/national/ global

Academic year - 2022-2023

Class – TYBA

Semester – V

Subject Code - 35205

Div. – A and B

Subject – Theory

Name of Subject – Gg: 310(A) CC 1E Geography of Tourism- I (G3)

Name of Subject Teacher - Prof. M. L. Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
August Sept. 2022	12	14	Introduction	a) Definition and Nature i. Definition of Tourists and Tourism ii. Nature of Tourism iii. Importance of Tourism b) Scope and Extent i. Tourism and Travel as basic needs of mankind. ii. Tourism and Development. iii. Tourism as product c) Role of Geography in Tourism
Sept. 2022	12	13	Determinants of Tourism Development	a) Physical i. Relief ii. Climate iii. Forest b) Socio-Cultural i. Religious ii. Historical iii. Sports c) Political --i) Policies ii) Safety of Tourists iii) Accessibility
Sept./ Oct 2022	12	14	Concept and Classification of Tourism	a) Classification of tourism based on i. Nationality ii. Travel Time iii. Purpose b) Concept of Tourism - I i. Agro-Tourism ii. Eco- Tourism iii. Wildlife Tourism c) Concept of Tourism - II i. Health/medical Tourism ii Sports Tourism
Oct. 2022	12	13	Basic Infrastructure in Tourism	a) Mode of Transportation i) Road ii) Railiii) Water iv) Air b) Communication i. Role of Guide in tourism development ii. Internet/Telephone/Mobile/TV iii. Electronic and Printing Media c) Travel and Tourism Agencies

Academic year - 2022-2023

Semester – V

Div. – A

Name of Subject – Gg: 320(A) DSE 1C Geography of India –I (S3)

Name of Subject Teacher - Prof. Dr. D. M. Markad

Class – TYBA

Subject Code - 35201

Subject – Theory

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
August Sept. 2022	12	13	Introduction	a) Location and Extent
				b) Historical Background
				c) International boundaries of India and related issues
				d) States and Union territories
Sept. 2022	12	12	Physiography	a) The Northern Mountains
				b) The North Indian Plains
				c) The Peninsular Plateau
				d) The Costal lowlands and Islands
Sept./ Oct 2022	12	12	Drainage	a) Himalayan Rivers: The Indus , The Ganga, The Brahmaputra
				b) East Flowing Rivers- Mahanadi, Godavari, Krishna, Kaveri
				c) Major West Flowing Rivers- Narmada, Tapi, Mahi
				d) Minor West Flowing Rivers originating in Western Ghat
Oct. 2022	12	13	Climate Soils and Natural Vegetation	a) Various Seasons and Weather Associated with them
				b) Types of Soils and its Distribution
				c) Soil Degradation and Conservation
				d) Types of Natural Vegetation and its Distribution

Academic year - 2022-2023

Class – TYBA

Semester – V

Subject Code – 35203

Batch – A and B

Subject – Practical

Name of Subject – Gg: 301(A) DSE 2C Practical Geography – I (Techniques of Spatial Analysis) (S4)

Name of Subject Teacher - Prof. Dr. Dilip Muluk And Prof. M. L. Muluk

Month	Number of Practicals	Actual Practicals	Topic	Sub Topics
August Sep. 2022	15	15	Introduction of S.O.I. Toposheet & Relief Representation	a. Introduction of Survey of India Toposheets: Marginal Information, Conventional signs and symbols and Colours in S.O.I. Toposheets. b. Types of toposheets / Indexing of toposheets c. Methods of Relief Representation i) Qualitative: Hachures, Hill shading, Layer Tint. ii) Quantitative: Contours, Form lines, Bench Marks, Spot Heights, Triangulation Mark, Relative Height ®
Sept.2022	15	16	Interpretation of S.O.I. Toposheets and Data generation	a. Reading of SOI toposheets from plain, plateau and Mountainous region. (Minimum one Toposheet per region) b. One day field Excursion for orientation of toposheets, observation and Identification of Geographical Features and Preparation of a Brief Report
Sept./Oct. 2022	15	15	Introduction & Interpretation Weather Maps	a. Introduction to Weather Maps b. Symbols in Daily Weather Report used by India Meteorological Department (IMD) c. Isobaric Pattern d. Reading of Weather Map from i) Summer ii) Monsoon iii) Winter Season
Oct. 2022	15	15	Introduction & Application of GIS & Remote Sensing Techniques	a. Definition and Components of GIS b. GIS Data Types (spatial and non-spatial), Raster and Vector data c. Introduction of Aerial Photographs & Satellite Images d. Use of Computer open source Software for GIS & RS techniques in Geography

Academic year - 2022-2023

Class – TYBA

Semester – V

Subject Code – SEC 2C

Batch – A and B

Subject – Theory

Name of Subject – SEC 2C Research Methodology – I

Name of Subject Teacher - Prof. Dr. Dilip Muluk And Prof. M. L. Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
August 2022	10		Introduction to Research Methodology	i. Meaning and objectives of research ii. Characteristics of Research iii. Types of Research iv. Various steps in Research Process
Sept. 2022	10		Research Design	i. Introduction of Research Design ii. Purpose of Research Design iii. Characteristics of Good Research Design
Oct. 2022	10		Research Problem	i. Definitions of the Research Problem ii. Identification of a Research Problem iii. Technique involved in defining a problem

Head of Department

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