

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

FYBA Teaching Plan NEP 2020 (2024 Pattern)

Academic year - 2027-2027

Semester – II

Div- A, B,

Name of Subject – Human Geography (Main Subject)

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

Class – FYBA

Subject Code – GEO-151-T

Subject – Theory

Month	Teaching Hours	Topic	Sub Topics
Jan. Feb.27	12	Introduction to Human Geography	1. Meaning and definition of Human Geography. 2. Nature and scope of Human Geography. 3. Branches and Importance of Human Geography.
Feb./March 27	12	Population & Settlement	i. Factors affecting on distribution of population. ii. Composition of Indian Population: Gender and Literacy iii. Theory of Demographic Transition iv. Types and patterns of rural settlement
March/April 27	12	Agriculture	i. Types of agriculture (Intensive, Subsistence) ii. Factors affecting Indian agriculture iii. Problems of Indian agriculture

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

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Teaching Plan NEP 2020 (2024 Pattern)

Academic year - 2027-2027

Class – FYBA

Semester – II

Subject Code – GEO-152-P

Div- A, B,

Subject – Theory

Name of Subject – Practical's in Human Geography (Main Subject)

Name of Subject Teacher - Prof. Dr. D. D. Muluk

Month	Teaching Hours	Topic	Sub Topics
Jan. Feb.27	16	Population	Population Indices . 1. Age Sex Pyramid 2. Dependency Ratio 3. Infant Mortality Ratio 4. Population Growth Rate
Feb./March 27	20	Settlement	Measures of Nucleation and Dispersion of Settlement 1. Rank Size Rule 2. Nearest Neighbour analysis
March/April 27	25	Agriculture	1. Crop Combination method: Weaver's method 2. Crop diversification method: Bhatia's method

Name of Subject Teacher - Prof. Dr. D. D. Muluk

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Teaching Plan NEP 2020 (2024 Pattern)

Academic year - 2027-2027

Semester – II

Div- A

Name of Subject – Practical's in Tourism Geography (V4 VSC)

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

Class – FYBA

Subject Code – OE-151-GEO

Subject – Theory

Month	Teaching Hours	Topic	Sub Topics
Jan. Feb.27	16	Introduction of Tour planning	i. Meaning of Tour planning ii. Elements of Tour planning iii. Classification of Tour planning: individual, family, group and mass level iv. Importance of tour planning.
Feb./March 27	25	Techniques of Tour Planning	i. Preparation of Tour Planning: Leaflet of tour planning, Passenger documentation, Insurance calculation, Currency exchange, Time exchange and calculation, Distance measurement. ii. Tourist Guide iii. Computer application for tour planning. iv. Procedure of passport & visa application. v. Booking and cancellation system: Transportation (Air, Rail, Road) and hospitality (accommodation)
March/April 27	20	Planning and visit to tourist place	Preparation of one short or long international/ national/ local tour plan.

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

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

SYBA NEP 2020 Teaching Plan (2024 Pattern)

Name of the Programme	B.A. (Geography)
Class	S.Y.B. A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	Major Core
Course Code	GEO-251-MJ
Course Title	Introduction to Population and Settlement Geography
Type of course	Theory
Total Credits	4
Workload	(15 hours / credit) 4 credits x 15 hours = 60 hours in semester
Name of Teacher	Prof. Dr. Dilip Muluk

Months	Teaching Hours	Topic Name	Sub Topic
Jan. 27	8	Introduction to Population Geography	1. Definition, nature and scope of population geography 2. Relation of population geography with other disciplines 3. Concepts- a. Population as Resource, b. Over Population, c. Optimum Population; d. Under Population
Jan./Feb 27	12	Components and Growth of Population	1. Concept of population growth 2. Factors affecting population growth 3. Components of population growth a. Fertility b. Mortality c. Migration 4. Spatio-temporal variation in population growth 5. Impact of over population in India
Feb. 27	8	Population Theory and Policies	1. Population Theories- Malthusian theory 2. Population Policies of India 3. Population Policies of Norway
March 27	12	Introduction to Settlement Geography	1. Definition, nature and scope of settlement geography 2. Factors affecting growth and distribution of settlement 3. Concepts in settlement geography a.) Site and situation of settlements, b.) Growth of settlements, c.) Rehabilitated settlements d.) Ideal village, e.) Planned city
March/April 27	8	Rural Settlement	1. Pattern of settlement 2. Characteristics and function of rural settlement
April 27	12	Urban Settlement	1. Concepts, i. Town ii. City iii. Metropolitan City iv. Megalopolis v. Conurbation vi. Smart City vii. CBD, 2. Rural-Urban Fringe 3. Kingsley Davis Model of urbanization 4. Urbanization in India 5. Problems associated with urbanization in India

Name of the Programme	B.A. (Geography)
Class	S.Y.B.A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	Major Core
Course Code	GEO- 252-MJP
Course Title	Practicals in Population and Settlement Geography
Type of course	Practical
Total Credits	2
Workload	(30 hours/credit) 2 credits x 30 hours = 60 hours in semester
Name of Teacher	Prof. Dr. D. M. Markad

Months	Teaching Hours	Topic Name	Sub Topic
Jan. 27	15	Measures of Population Growth	1. Measures of Fertility i. Crude Birth Rate (CBR) ii. General Fertility Rate (GFR) iii. Age Specific Fertility Rates (ASF) 2. Measures of Mortality Rate i. Crude Death Rate (CDR) ii. Infant Mortality Rate (IMR) iii. Age Specific Mortality Rates (ASMR) (Calculation, plotting and interpretation of one example of each method)
Feb. 27	18	Measures of Population Density and Population Projection	1. Measures of Population Density i. Arithmetic Population Density ii. Physiological Population Density iii. Agricultural Population Density 2. Population Projections i. Total Projections and Regional Projections ii. High, Medium and Low Projections of Population 3. Measures of Population Projection i. Mathematical Method (Arithmetic Method, Geometric Method) ii. Growth Component Method (Calculation, plotting and interpretation of one example of each method)
March 27	12	Practicals in Settlement Geography	1. Gravity Model 2. Lorenz Curve, Gini Coefficient for assessment of amenities in settlements 3. Urbanization Curve
April 27	15	Case Studies	1. A case study of demography and amenities in nearby village or 2. A case study of Ideal Village

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

Name of the Programme	B.A. (Geography)
Class	S.Y.B.A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	VSC
Course Code	GEO-271-VSC
Course Title	Practicals in Cartography
Type of course	Practical
Total Credits	2
Workload	(30 hours / credit) 2 credits x 30 hours = 60 hours in semester
Name of Teacher	Prof. M. L. Muluk

Months	Teaching Hours	Topic Name	Sub Topic
Jan. 27	10	Introduction of Map	1. Meridians, parallels, graticule, prime meridian, equator and direction 2. Calculation of time basis on meridian and GMT 3. Thematic mapping techniques- properties, uses and limitations. 4. Diagrams: Drawing of diagrams along with appropriate scale - One dimensional, Two dimensional and Three dimensional.
Feb. 27	10	Map Scale	1. British and Metric measurement system 2. Conversion of map scale (British and Metric System) a. Verbal scale to representative fraction b. Representative fraction to verbal scale 3. Construction of simple graphical scale 4. Construction of comparative graphical Scale
March 27	20	Cartographic Technique	1. Techniques of representation of data a. Simple line graph b. Simple bar graph c. Pie diagram d. Choropleth map e. Isopleth method f. Flow diagram
April 27	20	Construction, Properties and Use of Map Projections	1. Zenithal projection (Zenithal Polar Gnomonic Projection) 2. Conical projection Conical projection with one standard parallel / Simple conical projection 3. Cylindrical projection (Cylindrical equal-area projection) 4. Mercator projection

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

Name of the Programme	B.A. (Geography)
Class	S.Y.B.A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	VSC
Course Code	GEO - 272 -VSC
Course Title	Practicals in Surveying
Type of course	Practical
Total Credits	2
Workload	(30 hours / credit) 2 credits x 30 hours = 60 hours in semester
Name of Teacher	Prof. M. L. Muluk

Months	Teaching Hours	Topic Name	Sub Topic
Jan. Feb.27	16	Measurement of Distances and Computation of Areas	1. Distance measurements by taping a. Measure a road for a length of minimum 500 meters adjacent to college campus b. Measure an area of a building/plot/agricultural farm/garden in vicinity of the college campus 2. Area conversion measured by students a. Square meter to <i>Guntha</i> b. Square meter to acre c. <i>Bigha</i> to hectare d. Square foot to acre e. Measure a square mile area from a toposheet and convert it into hectare f. Measure square kilometer area from a toposheet and convert it into square mile 3. Computation of areas a. Measure an area by division into simple figures such as triangles, squares, rectangles, trapezoids, circles, etc. calculate the total area measured by these figures. b. Compute the area of the tract by offsets from straight line
Feb./March 27	20	Plane Table Survey	1. Survey an area with the help of plane table a. Radiation method b. Intersection method (Two examples of each method)
March/April 27	24	Dumpy/Auto Level Survey and GPS Survey	1. Survey along a line with the help of Dumpy/Auto Level a. Collimation plain method b. Rise and fall method (Two examples of each method) 2 Survey of an area with the help of GPS a. Plotting of area on a graph with the help of data collected by GPS

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

Name of the Programme	B.A. (Geography)
Class	S.Y.B.A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	FP/OJT/CEP
Course Code	GEO-281-CEP
Course Title	Community Engagement Programme
Type of course	Practical
Total Credits	02 CEP
Workload	(30 hours / credit) 2 credits x 30 hours = 60 hours in semester
Name of Teacher	Prof. Dr. D. D. Muluk

Months	Teaching Hours	Topic Name	Sub Topic
Jan. Feb.27	18	Social Awareness Programme	§ Organization of Following Program (Any Two) i. Clean India Mission Campaign ii. AIDS Awareness Rally iii. Anti Drugs Campaign iv. Blood Donation Camp v. Tree Plantation Program vi. Water Conservation Program
Feb./March 27	18	Field Visit and Interaction	Organization of Field Visit and Interaction (Any One) i. Gram Panchayat ii. Nagarpalika iii. Panchayat Samiti iv. Mahanagarpalika v. Zilla Parishad etc
March/April 27	24	Socio Economic Survey and Report Writing	§ Organization of Socio-Economic Survey of any Village/City i. Field Visit and Data Collection (Survey, Interviews, Observations etc) ii. Recording and Organizing Field Data (Photographs, Maps, Diagrams, Notes etc) iii. Data Analysis, Presentation and Interpretation iv. Finding, Conclusion and Recommendations v. Submission of Final Report

Name of Subject Teacher - Prof. Dr. D. D. Muluk

Name of the Programme	B.A. (Geography)
Class	S.Y.B.A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	Minor
Course Code	GEO-291-MN
Course Title	Physical Geography of Maharashtra
Type of course	Theory
Total Credits	2
Workload	(15 hours/credit) 2 credits x 15 hours = 30 hours in semester
Name of Teacher	Prof. Dr. D. M. Markad

Months	Teaching Hours	Topic Name	Sub Topic
Jan. Feb.27	10	Administrative Set up of Maharashtra	1. Geographical location 2. Adjoining states 3. Administrative divisions
Feb./March 27	12	Physiography and Climate	1. Physical structure (mountain, plateau and plains) 2. Drainage pattern (east and west flowing rivers) 3. Major seasons and weather associated with them
March/April 27	8	Soil and Forest	1. Soil types and distribution 2. Soil Conservation 3. Forest types and distribution 4. Forest Conservation

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

Name of the Programme	B.A. (Geography)
Class	S.Y.B.A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	Minor
Course Code	GEO-292-MNP
Course Title	Practicals in Weather Observation
Type of course	Practical
Total Credits	2
Workload	(30 hours / credit) 2 credits x 30 hours = 60 hours in semester
Name of Teacher	Prof. Dr. D. M. Markad

Months	Teaching Hours	Topic Name	Sub Topic
Jan. Feb.27	20	Introduction to Weather Instruments	1. Understanding weather Instruments: mechanisms, functions, and usage i. Measurement of temperature: Simple Thermometer ii. Measurement of humidity: Hygograph iii. Measurement of precipitation: Rain Gauge iv. Measurement of air pressure: Barograph v. Identification of wind direction: Wind Vane vi. Measurement of wind velocity: Cup Anemometer 2. Practical activities: i. Demonstrating the use of weather instruments ii. Recording and interpreting climatological readings
Feb./Mar. 27	20	Isobaric Patterns	1. Drawing of isobaric patterns and associated weather i. Cyclone ii. Anticyclone iii. Ridge iv. Trough v. Wedge 2. Secondary depression and Col
Mar./April 27	20	Weather Maps	1. Introduction to IMD weather maps/reports 2. Symbols in daily weather report used by (IMD) 3. Reading and interpretation of weather maps of three seasons: i. Summer ii. Monsoon iii. Winter 4. Weather applications: Mausam, Meghdoot, Damini 5. Visit to nearby weather station

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

Name of the Programme	B.A. (Geography)
Class	S.Y.B.A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	GE/OE
Course Code	OE -251- GEO
Course Title	Introduction to GPS
Type of course	Practical
Total Credits	2
Workload	(30 hours/credit) 2creditsx 30 hours = 60 hours in semester
Name of Teacher	Prof. M. L. Muluk

Months	Teaching Hours	Topic Name	Sub Topic
Jan. Feb.27	10	Introduction to GPS	1. Definition of GPS 2. Components of GPS – space, control & user segments 3. GPS Applications- civil applications, navigation, environmental studies, disaster management, urban and rural planning, agriculture, military applications 4. Surveying and mapping 5. Introduction to IRNSS
Feb./Mar. 27	20	GPS Equipment and Data Collection	1. Types of GPS devices: handheld, differential, and high-precision receivers 2. Satellite signals and codes 3. GPS time and coordinate systems 4. GPS field survey methods: static, kinematic, real-time 5. Data logging, waypoints, routes, and tracks 6. Conduct survey using GPS instrument 7. Manual plotting of survey data: on 2D & 3D graph
Mar./April 27	30	GPS Data Processing and Integration (Software Based)	1. Data Import - Downloading and Format Types (e.g.GPX, KML, CSV) 2. Integration with GIS software (any professional or open source GIS software) 3. Post-processing techniques 4. Calculation of area 5. Mapping (Layout Creation / Map Making)

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

Name of the Programme	B.A. (Geography)
Class	S.Y.B.A.
Semester	IV (Teaching Plan for Academic Year 2027-2027)
Name of Vertical Group	SEC
Course Code	SEC- 251- GEO
Course Title	Practical in Fundamentals of Statistics
Type of course	Practical
Total Credits	2
Workload	(30 hours/credit) 2 credits x 30 hours = 60 hours in semester
Name of Teacher	Prof. M. L. Muluk

Months	Teaching Hours	Topic Name	Sub Topic
Jan. 27	6	Introduction to Statistics	1. Definition and concepts of statistics 2. Scope of statistics 3. Application of statistics
Feb. 27	20	Data Types and Sampling Methods	1. Scales of Measurement: nominal scale, ordinal scale, Interval scale, ratio scale, 2. Types of data: primary and secondary, discrete and continuous 3. Concept of sample and population 4. Sampling methods: random sampling, stratified sampling, systematic sampling 5. Graphical representation of data: histogram, frequency curve and frequency polygon, ogive curve. (At least two examples each)
March 27	14	Measures of Central Tendency	1. Concept and significance of central tendency ii. Mean: Definition, computation (ungrouped and grouped data), merits and demerits. iii. Mode: Definition, computation (ungrouped and grouped data), merits and demerits. iv. Median: Definition, computation (ungrouped and grouped), merits and demerits. (minimum two examples each)
April 27	20	Measures of Dispersion	1. Concept of dispersion, Characteristics of a good measure of dispersion. 2. Range: Definition, computation, merits and demerits. 3. Semi-interquartile range (Quartile deviation): Definition, computation, merits and demerits 4. Standard deviation and variance: Definition, computation, merits and demerits 5. Measures of dispersion for comparison: coefficient of range, coefficient of quartile deviation, coefficient of mean deviation, and coefficient of variation (Minimum one example each)

KTSPMS**Hutatma Rajguru Mahavidyalaya, Rajgurunagar**

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography**Teaching Plan NEP 2020 (2024 Pattern)****Academic year - 2026-2027****Class – TYBA****Semester – VI****Subject Code – GEO-351-MJ****Div- A****Credits - 02****Subject – Theory****Name of Subject – Introduction to Economic Geography****Name of Subject Teacher - Dr. D. M. Markad**

Month	Hours	Topic	Sub Topics	Learning Outcomes
December 26	08	Introduction to Economic Geography	Definition, Nature and Scope of Economic Geography; Concepts of Economic Activities; Classification of Economic Activities – Primary, Secondary, Tertiary, Quaternary and Quinary	Students will explain the concepts, scope and significance of Economic Geography and classify different economic activities.
January 27	08	Factors Affecting Economic Activities	Physical Factors; Human Factors; Location Factors Influencing Economic Activities; Resource Distribution	Students will analyse the physical and human factors influencing the location and development of economic activities.
February 27	08	Economic Resources and Development	Natural Resources; Human Resources; Resource Utilization; Sustainable Economic Development	Students will evaluate the importance of resources in economic development and explain the concept of sustainable resource utilization.
March 27	06	Contemporary Issues in Economic Geography	Globalization; Regional Economic Disparities; Emerging Trends in Economic Development; Economic Planning and Regional Development	Students will assess contemporary issues in economic geography and explain the importance of balanced regional and sustainable economic development.

Teaching Methods / Teaching Aids / ICT - Lecture Method, Interactive Discussion, Question–Answer Method, Group Discussion, Case Study, Seminar, Student Presentation and Problem-Based Learning supported by PowerPoint Presentations (PPT), Smart Board, LCD Projector, World and India Economic Maps, Statistical Charts, Graphs, Census and Government Reports, Google Earth, Educational Videos, Online Economic Databases and other digital learning resources.

KTSPMS**Hutatma Rajguru Mahavidyalaya, Rajgurunagar**

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography**Teaching Plan NEP 2020 (2024 Pattern)****Academic year - 2026-2027****Class – TYBA****Semester – VI****Subject Code – GEO-352-MJ****Div- A****Credits - 04****Subject – Theory****Name of Subject – Geography of Resource Management****Name of Subject Teacher – Prof. M. L. Muluk**

Month	Hours	Topic	Sub Topics	Learning Outcomes
December 26	16	Introduction to Resource Management (Part-I & II)	Definition, Nature and Scope of Resource Management; Concepts and Classification of Resources; Renewable and Non-renewable Resources; Resource Conservation and Sustainable Utilization	Students will explain the concepts, classification and significance of resource management and evaluate the need for sustainable utilization of natural resources.
January 27	16	Resource Management Techniques (Part-I & II)	Principles and Approaches of Resource Management; Integrated Resource Management; Watershed Management; Forest and Water Resource Management	Students will analyse various resource management approaches and explain the importance of integrated management of natural resources.
February 27	16	Resource Utilization and Environmental Issues (Part-I & II)	Resource Exploitation; Resource Degradation; Environmental Problems due to Resource Use; Resource Planning and Conservation Strategies	Students will assess the environmental impacts of resource utilization and recommend appropriate conservation and management measures.
March 27	12	Contemporary Issues in Resource Management	Sustainable Development; Climate Change and Resource Management; National Resource Policies; Community Participation in Resource Management	Students will evaluate contemporary challenges in resource management and explain the role of sustainable development, public participation and policy initiatives in resource conservation.

Teaching Methods / Teaching Aids / ICT - Lecture Method, Interactive Discussion, Question–Answer Method, Group Discussion, Case Study, Seminar, Student Presentation, Problem-Based Learning and Resource Mapping supported by PowerPoint Presentations (PPT), Smart Board, LCD Projector, Resource Distribution Maps, Thematic Maps, Google Earth, GIS Applications, Satellite Images, Government Reports, Census Data, Educational Videos, Charts and other digital learning resources.

KTSPMS**Hutatma Rajguru Mahavidyalaya, Rajgurunagar**

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography**Teaching Plan NEP 2020 (2024 Pattern)****Academic year - 2026-2027****Class – TYBA****Semester – VI****Subject Code – GEO-353-MJP Div-****ACredits - 04****Subject – Practical****Name of Subject – Practicals in Spatial Analysis****Name of Subject Teacher – Prof. M. L. Muluk**

Month	Hours	Topic	Sub Topics	Learning Outcomes
December 26	16	Introduction to Spatial Analysis and Data Representation (Part-I & II)	Concept and Importance of Spatial Analysis; Types and Sources of Spatial Data; Collection, Classification and Tabulation of Geographical Data; Preparation of Tables, Graphs and Diagrams	Students will understand the concepts of spatial analysis, organize geographical data and represent it using appropriate statistical and graphical techniques.
January 27	16	Cartographic and Statistical Techniques (Part-I & II)	Preparation of Choropleth Maps, Dot Maps and Proportional Circle Maps; Calculation and Interpretation of Mean, Median and Mode	Students will prepare thematic maps and apply basic statistical techniques for geographical data analysis.
February 27	16	Spatial Analytical Techniques (Part-I & II)	Measures of Dispersion; Location Quotient; Nearest Neighbour Analysis; Population Density and Distribution Mapping	Students will apply spatial analytical techniques to interpret geographical patterns and regional variations.
March 27	12	Practical Record, Interpretation and Viva-Voce	Interpretation of Spatial Data; Preparation of Practical Journal; Map and Diagram Interpretation; Practical Revision; Viva-Voce	Students will analyse spatial data, prepare a systematic practical journal and demonstrate competency in spatial analysis through practical examination and viva-voce.

Teaching Methods / Teaching Aids / ICT - Demonstration Method, Hands-on Practical Work, Laboratory Exercises, Guided Practice, Problem Solving, Data Analysis, Map Interpretation, Group Activity and Student Presentation supported by PowerPoint Presentations (PPT), Smart Board, LCD Projector, Statistical Tables, Graph Sheets, Graph Paper, Topographical and Thematic Maps, Calculator, Microsoft Excel, Google Sheets, Google Earth, GIS Software, Census Data, Educational Videos and other digital learning resources.

KTSPMS**Hutatma Rajguru Mahavidyalaya, Rajgurunagar**

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography**Teaching Plan NEP 2020 (2024 Pattern)****Academic year - 2026-2027****Class – TYBA****Semester – VI****Subject Code – GEO-360-MJ****Div- A****Credits - 02****Subject – Theory****Name of Subject – Geography of Disaster Management****Name of Subject Teacher –Prof. Dr. D. D. Muluk**

Month	Hours	Topic	Sub Topics	Learning Outcomes
December 26	08	Introduction to Disaster Management	Definition, Nature and Scope of Disaster Management; Hazard, Disaster, Vulnerability and Risk; Classification of Natural and Human-Induced Disasters	Students will explain the fundamental concepts of disaster management and differentiate between various types of hazards and disasters.
January 27	08	Natural and Human-Induced Disasters	Earthquakes, Floods, Droughts, Cyclones, Landslides; Industrial, Chemical, Biological and Environmental Disasters; Causes, Impacts and Mitigation Measures	Students will analyse the causes, impacts and mitigation strategies for natural and human-induced disasters.
February 27	08	Disaster Risk Reduction and Management	Disaster Preparedness; Disaster Response; Recovery and Rehabilitation; Disaster Risk Reduction (DRR); Role of Government, NGOs and Community Participation	Students will evaluate disaster management strategies and explain the importance of preparedness, response and community participation in disaster risk reduction.
March 27	06	Disaster Management in India	Disaster Management Act, 2005; National Disaster Management Authority (NDMA); State and District Disaster Management Authorities; Use of GIS, Remote Sensing and Early Warning Systems in Disaster Management	Students will assess the disaster management framework in India and explain the application of geospatial technologies in disaster preparedness and mitigation.

Teaching Methods / Teaching Aids / ICT - Lecture Method, Interactive Discussion, Question–Answer Method, Group Discussion, Case Study, Problem-Based Learning, Seminar and Student Presentation supported by PowerPoint Presentations (PPT), Smart Board, LCD Projector, Disaster Hazard Maps, Satellite Images, Google Earth, GIS Applications, NDMA Guidelines, IMD and ISRO Resources, Documentary Videos, Charts, Newspaper Reports and other digital learning resources.

KTSPMS**Hutatma Rajguru Mahavidyalaya, Rajgurunagar**

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography**Teaching Plan NEP 2020 (2024 Pattern)****Academic year - 2026-2027****Class – TYBA****Semester – VI****Subject Code – GEO-362-MJP Div-****A****Credits - 02****Subject – Practical****Name of Subject – Practical's in Economic Geography****Name of Subject Teacher – Dr. D. M. Markad**

Month	Hours	Topic	Sub Topics	Learning Outcomes
December 26	08	Economic Data Collection and Representation	Collection of Economic Data; Sources of Economic Data; Classification, Tabulation and Graphical Representation using Bar Graphs, Line Graphs and Pie Diagrams	Students will collect, classify and present economic data using appropriate statistical and graphical techniques.
January 27	08	Thematic Mapping of Economic Activities	Preparation of Choropleth Maps, Dot Maps and Proportional Circle Maps showing Agricultural, Industrial and Population Data	Students will prepare and interpret thematic maps representing various economic activities and regional variations.
February 27	08	Economic Data Analysis	Calculation and Interpretation of Mean, Median, Mode and Percentage; Location Quotient; Simple Economic Indicators and Spatial Interpretation	Students will apply statistical techniques to analyse economic data and interpret spatial patterns of economic activities.
March 27	06	Practical Journal, Interpretation and Viva-Voce	Interpretation of Economic Maps, Graphs and Statistical Data; Preparation and Submission of Practical Journal; Practical Revision and Viva-Voce	Students will demonstrate proficiency in analysing economic geographical data, preparing practical records and presenting their understanding through viva-voce.

Teaching Methods / Teaching Aids / ICT

Demonstration Method, Hands-on Practical Sessions, Laboratory Exercises, Guided Practice, Problem Solving, Data Analysis, Map Interpretation and Student Presentation supported by PowerPoint Presentations (PPT), Smart Board, LCD Projector, Economic Maps, Statistical Tables, Graph Sheets, Microsoft Excel, Google Sheets, Census of India Data, Government Economic Reports, Google Earth, Educational Videos and other digital learning resources.

KTSPMS**Hutatma Rajguru Mahavidyalaya, Rajgurunagar**

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography**Teaching Plan NEP 2020 (2024 Pattern)****Academic year - 2026-2027****Class – TYBA****Semester – VI****Subject Code – GEO-371-VSC****Div- A****Credits - 02****Subject – Practical****Name of Subject – Practicals in Tour Planning****Name of Subject Teacher –Prof. Dr. D. D. Muluk**

Month	Hours	Topic	Sub Topics	Learning Outcomes
December 26	08	Introduction to Tour Planning	Concept and Importance of Tour Planning; Types of Tours; Components of a Tour Package; Selection of Tourist Destinations	Students will understand the fundamentals of tour planning and identify the essential components required for organizing successful tours.
January 27	08	Preparation of Tour Itinerary	Designing One-day and Multi-day Tour Itineraries; Route Planning; Transportation; Accommodation; Budget Preparation and Cost Estimation	Students will prepare practical tour itineraries by considering time, budget, transportation and accommodation requirements.
February 27	08	Tour Management and Documentation	Tour Scheduling; Risk and Safety Measures; Travel Documents; Booking Procedures; Tour Guiding Skills; Preparation of Tour Reports	Students will develop skills in managing tours, maintaining documentation and ensuring safe and efficient tour operations.
March 27	06	Practical Record and Viva-Voce	Preparation and Submission of Practical Journal; Evaluation of Tour Plans; Presentation of Tour Itinerary; Practical Revision and Viva-Voce	Students will demonstrate competency in preparing tour plans, maintaining practical records and presenting tourism projects effectively.

Teaching Methods / Teaching Aids / ICT

Demonstration Method, Hands-on Practical Sessions, Field-Based Learning, Group Activities, Project Work, Case Study, Student Presentation and Interactive Discussion supported by PowerPoint Presentations (PPT), Smart Board, LCD Projector, Tourist Maps, Atlases, Google Maps, Google Earth, Tourism Websites, Travel Brochures, Online Booking Portals, Educational Videos and other digital learning resources.

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Teaching Plan NEP 2020 (2024 Pattern)

Academic year - 2026-2027

Semester – VI

Div- A

Credits - 04

Name of Subject – OJT (On-the-Job Training)

Name of Subject Teacher – Dr. D. M. Markad

Class – TYBA

Subject Code – GEO-381-OJT

Subject – OJT/Practical

Month	Hours	Topic	Sub Topics
December 26	16	Orientation and OJT Planning	Introduction to OJT; Objectives and Expected Outcomes; Workplace Ethics; Communication Skills; Identification of Host Organization; Preparation of OJT Plan and Log Book
January 27	16	Field/Workplace Training (Phase-I)	Participation in Day-to-Day Activities; Observation of Organizational Structure; Data Collection; Field Assignments; Application of Geographical Knowledge in the Workplace
February 27	16	Field/Workplace Training (Phase-II)	Completion of Assigned Tasks; Data Analysis; Preparation of Work Records; Problem Solving; Interaction with Supervisors; Development of Employability Skills
March 27	12	Report Writing, Presentation and Viva-Voce	Preparation of OJT Report; Log Book Completion; Presentation of Work Experience; Supervisor's Evaluation; Viva-Voce

Head of Department

Department of Geography

Head of Department

Department of Geography

Hutatma Rajguru Mahavidyalaya

Rajgurunagar, (Khed) Dist. Pune