KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Syllabus Completion Reports

FYBA Syllabus Completion Reports NEP 2020 (2024 Pattern)

Academic year - 2025-2026
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	Actual Hours	Topic	Sub Topics
Jan. Feb.26	12	13	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 26	12	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 26	12	13	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

Syllabus Completion Reports NEP 2020 (2024 Pattern)

Academic year - 2025-2026 **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	Actual Hours	Topic	Sub Topics
Jan. Feb.26	16	17	Population	Population Indices . 1. Age Sex Pyramid 2. Dependency Ratio 3. Infant Mortality Ratio 4. Population Growth Rate
Feb./March 26	20	21	Settlement	Measures of Nucleation and Dispersion of Settlement 1. Rank Size Rule 2. Nearest Neighbour analysis
March/April 26	25	27	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

Syllabus Completion Reports NEP 2020 (2024 Pattern)

Academic year - 2025-2026 **Class – FYBA**
Semester – II **Subject Code – OE-151-GEO**
Div- A **Subject – Theory**
Name of Subject – Practical's in Tourism Geography (V4 VSC)
Name of Subject Teacher - Prof. M. L. Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
Jan. Feb.26	16	18	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 26	25	27	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 26	20	22	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 Syllabus Completion Reports (2024 Pattern)

Name of the Programme	**B.A. (Geography)**
Class	**S.Y.B. A.**
Semester	**IV (Syllabus Completion Reports for Academic Year 2025-2026)**
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	Actual Hours	Topic Name	Sub Topic
Jan. 26	8	9	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 26	12	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. 26	8	9	Population Theory and Policies	1. Population Theories- Malthusian theory 2. Population Policies of India 3. Population Policies of Norway
March 26	12	13	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 26	8	9	Rural Settlement	1. Pattern of settlement 2. Characteristics and function of rural settlement
April 26	12	14	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 Subject Teacher - Prof. Dr. Dilip Muluk

Name of the Programme	**B.A. (Geography)**
Class	**S.Y.B.A.**
Semester	**IV (Syllabus Completion Reports for Academic Year 2025-2026)**
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**	**Actual Hours**	**Topic Name**	**Sub Topic**
Jan. 26	15	16	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. 26	18	20	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 26	12	13	Practicals in Settlement Geography	1. Gravity Model 2. Lorenz Curve, Gini Coefficient for assessment of amenities in settlements 3. Urbanization Curve
April 26	15	16	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 (Syllabus Completion Reports for Academic Year 2025-2026)**
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	Actual Hours	Topic Name	Sub Topic
Jan. 26	10	11	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. 26	10	11	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 26	20	22	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 26	20	22	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 (Syllabus Completion Reports for Academic Year 2025-2026)**
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**	**Actual Hours**	**Topic Name**	**Sub Topic**
Jan. Feb.26	16	18	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 *Guntha* b. Square meter to acre c. *Bigha* 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 26	20	22	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 26	24	26	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 (Syllabus Completion Reports for Academic Year 2025-2026)**
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	Actual Hours	Topic Name	Sub Topic
Jan. Feb.26	18	20	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 26	18	20	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 26	24	20	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 (Syllabus Completion Reports for Academic Year 2025-2026)**
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	Actual Hours	Topic Name	Sub Topic
Jan. Feb.26	10	12	Administrative Set up of Maharashtra	1. Geographical location 2. Adjoining states 3. Administrative divisions
Feb./March 26	12	14	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 26	8	10	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 (Syllabus Completion Reports for Academic Year 2025-2026)**
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**	**Actual Hours**	**Topic Name**	**Sub Topic**
Jan. Feb.26	20	22	Introduction to Weather Instruments	1. Understanding weather Instruments: mechanisms, functions, and usage i. Measurement of temperature: Simple Thermometer ii. Measurement of humidity: Hygrograph 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. 26	20	22	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 26	20	22	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 (Syllabus Completion Reports for Academic Year 2025-2026)**
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	Actual Hours	Topic Name	Sub Topic
Jan. 26	6	8	Introduction to Statistics	1. Definition and concepts of statistics 2. Scope of statistics 3. Application of statistics
Feb. 26	20	22	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 26	14	16	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 26	20	22	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)

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

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Syllabus Completion Reports (2019 Pattern)

Academic year - 2025-2026 **Class – TYBA**

Semester – VI **Subject Code - 36205**

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
Jan. 25	12	14	Role of Accommodation in Tourism	a) Accommodation Types i. Hotels, Motels, Inn, Dharmashalas ii. Govt. Accommodation, Tourist homes iii. Private accommodations and unrecognized accommodations b) Factors affecting choice of Accommodation c) Role of Accommodation in Tourism Development
Jan/ Feb.25	12	14	Impact of Tourism	a) Economic impact i. Effect on foreign exchange ii. Employment generation iii. Infrastructure development b) Physical and Environmental impacts i. Land Degradation ii. Loss of plant and animal life iii. Air and water pollution c) Social cultural impacts i. Crime and Gambling activities ii. Languages iii. Traditional arts
Feb/March 25	12	14	Planning and Polices of tourism development	a) World Tourism Organization (WTO) b) India Tourism Development Corporation (ITDC) c) Maharashtra Tourism Development Corporation (MTDC)
March/April 25	12	14	Case studies of Major Tourist Centers in India	a) Hill Station- Manali and Mahabaleshwar b) Historical- Tajmahal and Raigadh fort c) National Parks- Kaziranga, Melghat

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

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Syllabus Completion Reports (2019 Pattern)

Academic year - 2025-2026 **Class – TYBA**

Semester – VI **Subject Code - 36201**

Div. – A **Subject – Theory**

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

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

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
Jan. 25	12	13	Cultural Setting	a) Religions of India b) Languages of India c) Major tribes, tribal areas and their problems
Jan/ Feb.25	12	12	Transportation& Communication	a) Role of Transportation in regional development of India b) Land ways, Airways and Waterways c) Developments in communication technology
Feb/March 25	12	14	Resources	a) Iron ore and Manganese b) Coal and Petroleum c) Hydro and Thermal Power
March/April 25	12	13	Agriculture	a) Significance of agriculture in Indian Economy. b) Agro Based Industries: Sugar, Cotton & Textile c) Agriculture Revolution in India: Green, White & Blue

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

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Syllabus Completion Reports (2019 Pattern)

Academic year - 2025-2026 **Class – TYBA**

Semester – VI **Subject Code – 36203**

Batch – A and B **Subject – Practical**

Name of Subject – Gg: 301(A) DSE 2C Practical Geography – II (Techniques of Spatial Analysis, Surveying and Excursion /Village/ Project Report) (S4)

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

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
Jan. 25	15	16	Geographical Data & its Basic Analysis	a. Introduction and Types of Geographical Data: i) Spatial and Temporal data ii)Discrete and Continuous series iii) Grouped and Ungrouped data b. Basic Analysis : i) Tally marks and frequency table ii)Frequency distribution (histogram & polygon) iii) Cumulative Frequency & Ogive curve
Jan/ Feb.25	15	16	Calculation of Central Tendency, & Dispersion	a. Meaning and description of central tendencies- Mean, Mode, Median b. Calculation of Mean, Mode, Median for ungrouped and grouped data (two examples each) c. Measures of Dispersion: Mean Deviation & Standard Deviation (two examples each)
Feb/March 25	15	18	Testing and Application of Hypothesis	a) Meaning, Definition of Hypothesis & Types of Hypothesis i) Null & Alternative hypothesis ii) Level of significance, iii) Degree of freedom b) Concept of Correlation and regression I. Concept of bivariate correlation & Regression II. Meaning of coefficient of correlation III. Parametric & Non parametric tests: i) Chi-square test (two examples each) IV. Calculation of Spearman Rank order (Min. two examples for each test)
March/April 25	15	17	Field Excursion / Village Survey / Project Report	a.One Short tour of two days duration and preparation of tour report OR b. One long Tour of more than Five days duration anywhere in the country and preparation of tour report OR c. Village / City / Area Survey and preparation of report

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

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Syllabus Completion Reports (2019 Pattern)

Academic year - 2025-2026 **Class – TYBA**

Semester – VI **Subject Code – SEC 2D**

Batch – A and B **Subject – Theory**

Name of Subject – SEC 2D Research Methodology – II

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

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
Jan. 25	10	12	Methods of Data Collection	A) Primary Data Questionnaire Method i.) Questionnaire – definition ii.) Characteristics of a good questionnaire iii.) Merits and demerits Questionnaire Method B) Secondary Data i) Government Sources ii) Syndicated Sources iii) Other Types of Sources
. Feb.25	10	12	Types of Research Report	i. Dissertation and Thesis, ii) Research paper, review article iii) Characteristics of Good Research Report Writing
March 2026	10	14	Techniques of Research Report Writing	i) Structure and organization of research reports: Title, abstract, key words, introduction ii) Methodology, results, discussion, conclusion, references, footnotes, iii) Concepts of Case Study

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

Head of Department
Department of Geography

Head of Department
Department of Geography
Hutatma Rajguru Mahavidyalaya
Rajgurunagar, (Khed) Dist. Pune