

Govt .Degree College , R.S.Pura

COURSE OUTCOMES :

Semester/ Papers/ Course Content	The Course Outcomes(Cos)
understand:	This paper shall enable the students to
<p>First Semester, (THEORY CORE COURSE)</p> <p>Course Code: UGOTC- 101</p> <p>Title of paper: Physical Geography- I</p> <p>Course Content: The objective of this course is to introduce the latest concepts Physical Geography essentially Geomorphology to the students in a brief but adequate manner.</p> <p>Number of Units: 5</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p> <p>Unit -5</p>	<ul style="list-style-type: none"> ➤ Unit – 1: Concept of Geography and its relationship with other disciplines. ➤ Unit – 2: Theories regarding origin of the earth like Nebular Hypothesis, Continental theory, etc. ➤ Unit - 3 About Interior of Earth, Concept of Earth Movements and Endothermic processes i.e. Earthquakes and Volcanoes. ➤ Unit - 4 Exothermic Processes i.e. Weathering and mass Movement. ➤ Unit - 5 Landforms formed by River, Glacier Wind and underground water.
<p>First Semester, (PRACTICAL COURSE)</p> <p>Course Code: UGOPC- 102</p> <p>Title of paper: Cartography- I</p> <p>Course Content:</p> <p>Number of Units: 4</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p>	<ul style="list-style-type: none"> ➤ Unit- 1: Concept of Cartography, Scales and its types, Construction of Scales and Reduction and enlargement of scale and distance reading on map. ➤ Unit- 2 Methods of showing relief feature i.e. Qualitative methods (hachure, layer tinting, hill shading) and Quantitative methods (Spot height, bench marks, forms lines). ➤ Unit- 3 Combined methods of Representation of Relief Features, Representation of Relief Features with

<p>Unit -4</p>	<p>the help of Contours ; Definition, types and representation of profiles.</p> <ul style="list-style-type: none"> ➤ Unit- 4 Types of graphic representation of geographical data(temperature and rainfall),Construction of Climograph and Hythergraph with their interpretations.
<p>Second Semester, (THEORY CORE COURSE)</p> <p>Course Code: UGOTC- 201</p> <p>Title of paper: Geography of Jammu and Kashmir</p> <p>Course Content: The objective of this course is to make the students familiar with Geography of Jammu & Kashmir in relation to its Physical and Socio-cultural setting.</p> <p>Number of Units: 5</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p> <p>Unit -5</p>	<ul style="list-style-type: none"> ➤ Unit - 1 J&K in the context of India, Physical Divisions and Drainage of Jammu & Kashmir. ➤ Unit-2 Natural Vegetation and Soils; Production & Distribution of Wheat, Rice, Maize; Horticulture and Sericulture; Livestock and Fisheries. ➤ Unit - 3 Mineral and Hydel Power Resources, Forest Based and Agro Based Industries, Handicraft and Handlooms. ➤ Unit -4 Population - Growth, Distribution and Density, Demographic attributes and Major Ethnic Groups. Unit-5 Urbanization, Transport and Communication and Disasters in Jammu and Kashmir.
<p>Second Semester, (PRACTICAL COURSE)</p> <p>Course Code: UGOPC- 202</p> <p>Title of Paper: Cartography- II</p> <p>Course Content:</p> <p>Number of Units: 4</p> <p>Unit -1</p> <p>Unit -2</p>	<ul style="list-style-type: none"> ➤ Unit-I Concept, Essential Components, Classification and uses of Maps; Difference between Maps, Charts and Diagrams. ➤ Unit-2 Types of Cartographic Symbols, Cartographic Diagrams and representation of Population Data by above Cartographic diagrams. ➤ Unit- 3 Representation of Agriculture Data by Pie Diagram, Proportional Circle and Concentric Circle, Cartographic Methods, Representation of population

<p>Unit -3</p> <p>Unit -4</p>	<p>Data (Distribution, Density and Growth) by Dot and Choropleth Methods.</p> <ul style="list-style-type: none"> ➤ Unit- 4 Drawing of distribution maps with the help of Chorochromatic, Choroschematic Methods, Representation of climatic data with the help of Isopleth Methods and Field Study Tour: Physical.
<p>Third Semester, (THEORY CORE COURSE)</p> <p>Course Code: UGOTC- 301</p> <p>Title of paper: Physical Geography- II</p> <p>Course Content: The objective of the course is to introduce the latest concepts in Physical Geography especially in Climatology and Oceanography to the students of Geography.</p> <p>Number of Units: 5</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p> <p>Unit -5</p>	<ul style="list-style-type: none"> ➤ Section- A (Climatology) Unit- 1 Meaning and elements of Weather and Climate, Composition and Structure of Atmosphere, Factors affecting Distribution of Insolation and Global Heat Budget, Temperature. ➤ Unit- 2 Atmospheric Pressure, Winds, Humidity, Precipitation and Clouds types and formation. ➤ Unit- 3 Concept and Classification of Air Masses, Fronts, Cyclones and Climatic Classification of Koppen. Section- II (Oceanography) ➤ Unit- 4 Configuration of Ocean floor, Oceanic Temperature, Salinity and Currents. ➤ Unit- 5 Origin and Types of Tides and Coral Reefs, Ocean Deposits: Sources, Types and Classification, Global Warming: Causes and Effects of Global Warming.
<p>Third Semester, (PRACTICAL COURSE)</p> <p>Course Code: UGOPC- 302</p> <p>Title of Paper: Map Projections</p> <p>Course Content:</p> <p>Number of Units: 4</p> <p>Unit -1</p>	<ul style="list-style-type: none"> ➤ Unit-1 Difference between Globe and map , Calculation of gratitude, Map projections, Methods of transfer of gratitude on flat sheet of paper. ➤ Unit-2 General Principles, Need and Importance, Classification and Choice of Map projections. ➤ Unit-3 Types of Map Projections: Simple Cylindrical, Cylindrical Equal Area,

Unit -2 Unit -3 Unit -4	Conical with one Standard Parallel Conical and with two Standard Parallel. ➤ Unit - 4 Zenithal Equal Area, Zenithal Equidistant, Sinusoidal, Mollweide’s Map Projections
Third Semester, (SKILL ENHANCEMENT COURSE) Course Code: UGOPS- 303 Title of Paper: Cartography Course Content: The objective of this paper is to train students in Manual and Computer Cartography Skills Number of Units: 4 Unit -1 Unit -2 Unit -3 Unit -4	➤ Unit- 1 Definition, Nature and Scope of cartography, Definition and Types of scales, Construction of different types of Scales. 1.8. Reading of distance on map. Reduction and enlargement of scale. ➤ Unit- 2 Meaning, Essential Components, Classification and uses of Maps, Essential Components of Maps, Difference between Maps, Charts and Diagrams. ➤ Unit- 3 Distribution of Maps: Methods and drawing, Drawing of distribution maps with the help of Chorochromatic Methods and Choroschematic methods, Representation of climatic data with the help of Isopleth methods. ➤ Unit- 4 Types of graphic representation of geographical data. 4.2. Representation of Temperature and Rainfall Data with the help of Line and Bar graph and its interpretation, Construction of Climograph and Hythergraph with their interpretations.
Fourth Semester, (THEORY CORE COURSE) Course Code: UGOTC- 401 Title of Paper: Geography of India Course Content: Number of Units: 5 Unit -1 Unit -2	➤ Unit-1 ➤ India: In the Context of Asia, Physiographic Divisions , Climate and Drainage System of India. ➤ Unit-2 Soils, Vegetation, Mineral Resources (Iron Ore and Manganese) and Power Resources (Coal and Petroleum) of India. ➤ Unit-3 Indian Agriculture, Green Revolution in India, Major Cereal Crops (Wheat and Rice) and Cash Crops

<p>Unit -3</p> <p>Unit -4</p> <p>Unit -5</p>	<p>(Cotton, Tea)- Distribution and Production.</p> <ul style="list-style-type: none"> ➤ Unit-4 Spatial Distribution of Population, Density, Growth and their Trends, Recent Population Policy of India, Migration: Causes and Consequences in India, Urbanization of India: Trends and Disparities. ➤ Unit-5 Regionalization of India: Basis of regionalization; Macro and Meso regions, Factors of Localization of Industries, Industrial regions of India, Problems and Prospects of Industries in India.
<p>Fourth Semester, (PRACTICAL COURSE)</p> <ul style="list-style-type: none"> ➤ Course Code: UGOPC- 402 Title of Paper: Surveying <p>Course Content:</p> <p>Number of Units: 4</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p>	<ul style="list-style-type: none"> ➤ Unit-1 Definition of survey and Surveying, Need and importance, Classification and Methods of Survey. Unit-2 Methods, principles, Essential requirements and techniques for preparation of chain and tape Survey, Survey and its depiction on flat sheet of paper. Unit-3 Methods, principles, Essential requirements and techniques for preparation of Plane table Survey, Survey and its depiction on flat sheet of paper. ➤ Unit-4 4.1 Field Study Socio Economic Tour Inter/ Intra State
<p>Fourth Semester, (SKILL ENHANCEMENT COURSE)</p> <p>Course Code: UGOPS- 403</p> <p>Title of Paper: Skilful Planning for Regional</p>	<ul style="list-style-type: none"> ➤ Unit-1 Introduction to the concept of Regional Planning, Need, Classification and types of skill planning. ➤ Unit-2 Characteristics of skilful planning, Skilful Delineation of planning regions,

<p>Development</p> <p>Course Content: The objective of this paper is to train students in skilful Planning for Regional Development</p> <p>Number of Units: 4</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p>	<p>Role of skill planner in Regional development.</p> <ul style="list-style-type: none"> ➤ Unit-3 History of skilful Planning in India, Basis of sustainable agriculture in J&K, Planning and Management of water Resource in J&K. ➤ Unit-4 Basic concept of Agro/Ecological Zones of India, Introduction to planning with basic concept in context of core and periphery model, Basic Planning for Backward Areas.
<p>Fifth Semester, (THEORY CORE COURSE)</p> <p>Course Code: UGOTC- 501</p> <p>Title of Paper: Human Geography</p> <p>Course Content: The objective of the course is to introduce the latest concepts in Human Geography and aware the students about the importance of human resources for the welfare of societies inhabiting across the globe.</p> <p>Number of Units: 5</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p> <p>Unit -5</p>	<ul style="list-style-type: none"> ➤ Unit-1 Human geography: Nature, Scope and Approaches to the study of Human Geography: Quantitative and Behavioural, Determinism and Possibilism, Perspectives in Human Geography: Quantitative revolution in Geography, Human as Resource and Human development index of the world. ➤ Unit – 2 Growth, density and distribution of population and causes of uneven distribution of population in the world, Demographic attributes; Causes and consequences of migration, Concepts of over-under-and optimum population, Cultural regions of the world. ➤ Unit- 3 3.1. Types and patterns of rural and urban settlements, Trends and Patterns of World Urbanization, Functional classification of towns, Problems and remedies of urbanization. ➤ Unit- 4 Regional Planning: Concept of a region, types and methods, Growth centres and growth poles; Regional imbalances; regional development strategies; Environmental issues in regional planning, Planning for sustainable development. ➤ Unit – 5 Models, Theories and Laws in

	Human Geography: Malthusian, Demographic transition model, Central Place Theory of Christaller, Population Resource Regions of the world.
<p>Fifth Semester, (Practical COURSE)</p> <p>Course Code: UGOPC- 502 Title of Paper: Advance Statistical Techniques</p> <p>Course Content:</p> <p>Number of Units: 4</p> <p>Unit -1 Unit -2 Unit -3 Unit -4</p>	<ul style="list-style-type: none"> ➤ Unit-1 Quantitative Geography: Introduction and Significance, Statistical Data: Definition, Types, Sources and Methods and Tabulation and Analysis of Data. ➤ Unit-2 Central tendency: Definition, measures and methods and its application in Geography, Quantitative Analysis: Mean, Median and Mode. ➤ Unit-3 Definition of Measures of Dispersions and its role in geographical studies, Measures of Dispersions: Methods and their Merits & Demerits, Quantitative Analyses: Mean Deviation, Quartile Deviation and Standard Deviation. ➤ Unit-4 Correlation: Introduction and their Merits and Demerits and Methods, Quantitative Analyses: Karl Pearson Product Moment Method and Spearman Rank Correlation Method, Important techniques for drawing of statistical diagrams.
<p>Fifth Semester, (SKILL ENHANCEMENT COURSE)</p> <p>Course Code: UGOPS- 503 Title of Paper: Geography of Tourism</p> <p>Course Content: The objective of this paper is to aware the students in Geography of Tourism.</p> <p>Number of Units: 4</p> <p>Unit -1 Unit -2 Unit -3 Unit -4</p>	<ul style="list-style-type: none"> ➤ Unit – Concepts and definition of Geography of Tourism, Nature and Scope Geography of Tourism, Inter-Relationships of Tourism, Recreation and Leisure. ➤ Unit – Geographical Parameters of Tourism by Robinson, Type of Tourism: Natural Cultural, Medical Tourism Difference between Pilgrimage and tourism and Heritage tourism. ➤ Unit - Recent Trends of Tourism: International and Regional; Domestic (India), Eco- Tourism, Sustainable Tourism, Meetings, Incentives, Conventions and Exhibitions, Impact of Tourism: Economy; Environment; Society.

	<ul style="list-style-type: none"> ➤ Unit - Tourism in India: Tourism Infrastructure; Case Studies of Himalaya, Desert and Coastal areas, Tourism in Jammu and Kashmir: important destinations and flow of domestic, national, and international tourists, National Tourism Policy.
<p>Fifth Semester, (GENERIC ELECTIVE COURSE)</p> <p>Course Code: UGOPS- 504</p> <p>Title of Paper: Physical Geography</p> <p>Course Content: The objective of this course is to introduce the latest concepts of Physical Geography essentially Geomorphology to the students in a brief but adequate manner.</p> <p>Number of Units: 4</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p>	<ul style="list-style-type: none"> ➤ Unit – 1 Fundamentals of Physical Geography Origin & Evolution of the earth, Interior of the earth, Earthquakes and Volcanoes Causes and Types. ➤ Unit – 2 Landforms, Rock; Major types of rocks, Weathering and erosion, Soil and its formation. ➤ Unit - 3 Weather & Climate concept, Atmosphere: Structure & Composition, Insolation, Pressure belt and winds. ➤ Unit-4 Vegetation & Soil, Forests Types & distribution, Soil erosion and conservation. Unit-V Hazards & Disasters, Floods, Droughts, Cyclones, Landslides.
<p>Sixth Semester, (THEORY CORE COURSE)</p> <p>Course Code: UGOTC- 601</p> <p>Title of Paper: Geography of Asia</p> <p>Course Content: The objective of the course is to introduce the world geographical scenario and latest changes being experienced in the world.</p> <p>Number of Units: 5</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p>	<ul style="list-style-type: none"> ➤ Unit- 1 Asia is in the context of world 1.2. Physiographic Divisions of Asia 1.3. Major forest types of Asia. 1.4. Drainage systems of Asia. ➤ Unit- 2 2.1. Types and characteristics of Soils in the Asia. 2.2. Origin of Agriculture in the Asia. 2.3. Distribution and Production of Rice, Wheat, Tea in the Asia. 2.4. Globalization and Commercialization of agricultural resources. ➤ Unit- 3 3.1. Factors affecting the localization of major industries in the Asia 3.2. Important industrial belts of the Asia. 3.3. Distribution and Production of cotton textiles, iron and steel industries in Asia. 3.4. Transport: Major Road, railway, waterway, airway and pipeline

<p>Unit -5</p>	<p>networks.</p> <ul style="list-style-type: none"> ➤ Unit- 4 4.1. Distribution and density of Population in Asia. 4.2. Important Urban Center in Asia. 4.3. Population growth rate of Asia. 4.4. Population Problems of Asia. ➤ Unit- 5 5.1. Functions and importance of ASEAN 5.2. SAARC (South Asian Association for Regional Cooperation), 5.3. SAFTA: South Asia Free Trade Agreement 5.4. OPEC: Organization of the Petroleum Exporting countries and (CIS) Commonwealth of Independent States.
<p>Sixth Semester, (PRACTICAL COURSE)</p> <p>Course Code: UGOPC- 602</p> <p>Title of Paper: Field Study and Field Report</p> <p>Course Content:</p> <p>Number of Units: 4</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p>	<ul style="list-style-type: none"> ➤ Unit- 1 1.1. Field Work in Geographical Studies – Role, Value, Data and Ethics of Field-Work 1.2. Defining the Field and Identifying the Case Study – Rural / Urban / Physical / Human / Environmental. ➤ Unit- 2 Field Techniques – Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non Participant), Questionnaires (Open/ Closed / Structured / Non-Structured); Interview with Special Focus on Focused Group Discussions; Space Survey (Transects and Quadrants, ➤ Unit- 3 Collection of information and data from the field with the field survey ➤ Unit- 4 Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing of the Report.
<p>Sixth Semester, (SKILL ENHANCEMENT COURSE)</p> <p>Course Code: UGOPS- 603</p> <p>Title of Paper: Disaster Management</p> <p>Course Content: The objective of this paper is to train the students in dealing with natural and</p>	<ul style="list-style-type: none"> ➤ Unit – 1 1. Definition and Concepts of disasters. 2. Nature and types of disasters. 3. Hazards, Risk, Vulnerability and Disasters. ➤ Unit - 2 1. Cause and Consequence of disasters. 2. History of disasters in India 3. History of disasters in J&K. ➤ Unit – 3 1. Causes, Impact, Distribution of Floods, Landslide, Drought in India. 2. Causes, Impact, Distribution and

<p>manmade disasters</p> <p>Number of Units: 4</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p>	<p>Mapping: Earthquake, Tsunami and Cyclone. 3. Causes, Impact, Distribution of Human induced disasters in India.</p> <p>➤ Unit - 4 1. Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM. 2. Indigenous Knowledge and Community-Based Disaster Management. 3. Do's and Don'ts During Disasters.</p>
<p>Sixth Semester, (SKILL ENHANCEMENT COURSE)</p> <p>Course Code: UGOPS- 603</p> <p>Title of Paper: Remote Sensing and GPS</p> <p>Course Content: The objective of this paper is to aware the students about the Remote Sensing Techniques</p> <p>Number of Units: 5</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p> <p>Unit -5</p>	<p>➤ UNIT-1 Introduction of Remote Sensing: History of Remote Sensing, Energy sources and radiation Principles, EMR and Spectrum EMR Interaction with Atmosphere and Earth Surface, Types of Remote Sensing and Resolution.</p> <p>➤ UNIT- 2 Aerial Photography and Photogrammetry: Geometry and Types of Aerial Photographs, Photographic Interpretation and Application of Aerial Photos.</p> <p>➤ UNIT – 3 Satellite Remote Sensing Principles: Data Acquisition Procedure, Platforms and sensors, orbit types, Land observation Satellites character and application</p> <p>➤ UNIT – 4 Introduction to GPS: Overview of GPS, GPS segments, Current GPS Satellite Constellation, GPS Signals and GPS Application.</p> <p>➤ UNIT-5 Application of Remote Sensing: Agriculture, Natural Resource Management and Urban and Rural Planning.</p>
<p>Sixth Semester, (GENERIC ELECTIVE COURSE)</p> <p>Course Code: UGOTC- 605</p> <p>Title of Paper: Human Geography</p> <p>Course Content: The Objective of this course to give an over view of different aspects of</p>	<p>➤ Unit-1 Human Geography, Distribution & density and growth of Population, Factors responsible for growth & density of population.</p> <p>➤ Unit-2 Rural and Urban Settlement: types and distribution, Functional classification of Settlement, Problems of</p>

<p>Human Geography with detail analysis of burning issues of the subject at global level.</p> <p>Number of Units: 5</p> <p>Unit -1</p> <p>Unit -2</p> <p>Unit -3</p> <p>Unit -4</p> <p>Unit -5</p>	<p>slums.</p> <ul style="list-style-type: none"> ➤ Unit-3 Human Activities: Primary, Secondary, tertiary and Quaternary Activities. ➤ Unit-4 Definition & meaning, Classification, Conservation of resources, Renewable and non renewable. ➤ Unit-5 Transport system Land transport, Air transport, Water Transport, Oil and Gas pipelines
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