

A: Ph. D PROGRAMME SPECIFIC OUTCOMES (PSOS) IN GEOGRAPHY

Course Code	Compulsory/ Specializations	Title of the Paper	IA Marks	Exam Marks	Total Marks
Geog- CTP- I	Compulsory Paper	Research Methodology	50	50	100
Geog- CTP -II	Compulsory Paper	Geography (Core).	50	50	100
Geog-STP -I	Specialization Paper	Geomorphology and Hazard Studies	50	50	100
Geog-STP -II	Specialization Paper	Resource Analysis and Management	50	50	100
Geog-STP -III	Specialization Paper	Settlements Analysis	50	50	100
Geog-STP- IV	Specialization Paper	Marketing Analysis	50	50	100
Geog-STP- V	Specialization Paper	Population Studies	50	50	100
Geog-SPT -VI	Specialization Paper	Regional Planning and Development	50	50	100
Geog-STP -VII	Specialization Paper	Environmental Geography	50	50	100
Geog-STP -VIII	Specialization Paper	Geography of Agriculture	50	50	100
Geog-STP -IX	Specialization Paper	Geography of Tourism	50	50	100

B: Ph. D Programme Outcome in Geography:

PO 1	Enrich the knowledge of understanding the approaches in geographical research with historical, experimentation and case studies.
PO 2	Enhanced the capabilities to prepare the research design in geographical research.
PO 3	Capable to conduct field survey and able to collect the relevant information required for geographical research.
PO 4	Enhanced the capabilities to prepare the maps by handling the Quantitative Techniques, Statistical Methods, and Cartographic Methods in geographical research.
PO 5	Enhance the knowledge and the skills in Map Making procedures and Principles of Cartography and exposers in the technology for handling the spatial and non-spatial data and to integrate in Geographical Environment and Remote Sensing.
PO 6	Enhanced the skills in thesis writing with an effective Introduction, related to the Topic, Review of Literature, Content, Critical Analysis, Language, Planning Strategy and References along with appendix.
PO 7	Enhanced the knowledge in geography through the research not only from the academic point of view, but also the societal needs on any geographical space.
PO 8	Demonstrate the innovative skill developed in the specialized areas of geographical research to extend the horizon of the knowledge in the discipline.
PO 9	Encouragement to develop the multi - discipline in the research to enrich the knowledge in different discipline.
PO 10	Capable to conduct the research and to gain research knowledge by handling the important issues related both human aspects as well as natural point of view with special focuses on Environment.

Title of the Course: Geog- CTP- I: RESEARCH METHODOLOGY

**Teaching Hours: 04 Hours Per Week.
Marks.**

Maximum Marks: 50 + 50 IA

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Understand the approaches in research and able to discuss.
CO2	Identify the research problem and prepare the research design.
CO3	Collect the information/ data through the field survey.
CO4	Analyze the data by employing the research techniques and prepare the maps by using GIS and Remote Sensing.
CO5	Write the thesis as per the frame of the research and prepare the planning strategy.

D: Detail Curriculum:

Unit	Content
I.	Attitude to Research, Approaches in Science Research Historical, Descriptive, Experimental, Case study, Nomothic and Ideographic, Deductive & Inductive, Scientific geographic research.
II.	Research Topic and Design: Identification of problem Study Area, Formulation of Hypothesis, Testing of the Hypothesis and Organization of the chapters
III.	Field survey Data collection: Primary and Secondary sources, observation, perception, Interview, Questionnaire, scheduled and checklist.
IV.	Data Analysis and Mapping: Quantitative Techniques, Statistical Methods, Cartographic Methods, GIS and Remote Sensing.
V.	Thesis writing: Effective Introduction, Concepts Related to the Topic, Review of Literature, Content, Critical Analysis, Language, Planning Strategy and References with Required appendix.

E: REFERENCES:

01	Hagget P.	Locational Analysis in Human Geography.
02	Douglas and Colledge	An Introduction to scientific Reasoning in Geography.

03	Harvey D.	Explanation in Geography.
04	Chorley R.J.	Directions in Geography.
05	Waye & Davis	The conceptual Revolution in Geography.
06	Alber, Adams and Gould	Spatial Organization
07	Roger Minshull	An Introduction to Models in Geography.
08	Gosh B.N.	Scientific Method and Social Research.
09	Arya A.S.	Guide to thesis and Paper writing.
10	Beaheu Garnier	Methods and Perspectives in Geography.

Title of the Course: Geog- CTP -II: GEOGRAPHY (CORE)

Teaching Hours: 04 Hours Per Week.

Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Understand the Principles of Geomorphology and discuss effectively.
CO2	Discuss the fundamental elements of Climate, structure and composition.
CO3	Identified the Endangered Species of Plants and Animals. Deforestation and Desertification of regions.
CO4	Discuss the Man-Environmental Relationships and human interaction on environment.
CO5	Delineate the regions based on the concept of regions and their types.

D: Detail Curriculum:

Unit	Content
I.	Principles of Geomorphology, Interior of the Earth, Isostasy, Thermal Cycles convection current theory, Plate Tectonics Earth Movements, Phases of Mountain Building, Denudation, Cycle of Erosion, Landforms of Humid, Arid, Karst, Glacial and coastal Regions, Erosional and Depositional Features. Types of Streams and Drainage Pattern Development / watersheds. Morphometric Analysis. Gravity & Mass Wasting, Hills lope Development.

II.	Weather and Climate, Structure and Composition of the Atmosphere: Horizontal and Vertical Distribution of Temperature, Air pressure Belts and Planetary Winds. Air Masses, Types of Cyclones and their Effects, Mechanism of Manson winds, classification of Climate, Climate change, origin and Distribution of oceans and continents, Hypsographic Curve, Hydrological cycle, ocean currents, salinity, temperature, Oceans as storehouse of food and Mineral Wealth.
III.	Phytogeographic Regions of the world. Zoogeographical Regions of the world. Endangered Species of Plants and Animals. Deforestation and Desertification Soil-Water and plant systems, Soil Erosion.
IV.	Man-Environmental Relationships, Types of Resource and Resource Analysis Agricultural systems in the world. Main Aspects of Mining Activities, Means of Transportation in the world and their Significance, Growth and Distribution of Population in the world , and Composition of Population, Fertility, Mortality and Mobility(Migration) Patterns, Rural and Urban Settlement systems, and settlement analysis, Settlements as Market centres and their hierarchy, Major Fisheries Grounds in the world. Major Industrial Regions of the world, Trade and Commerce in the world, Main Tourism in the world.
V.	Concept of Region, types of Region, Methods of Regionalization, Regional Analysis, Regional Planning and Stages of Planning, Planning Authorities. Urban and Rural Planning, Land Suitability and Landuse Planning, Planning for Transportation and Marketing Centers; Planning for Backward Ares and Tribal area Areas.

E: REFERENCES:

01	Wooldrige S.W&Morgan R.S.	An outline of Geomorphology, Longman - 1959
02	Strahler A.N. &Strahler A.H.	Modern Physical Geography, Jhon Wiley -1992
03	Thornburg W.D.	Principles of Geomorphology, Wiley – 1963
04	Trewarthe G.T.	An Introduction to Climate
05	Critch Filed	Climatology
06	Shorma and Vatal	Oceanography for Geographers
07	Majid Hussain	Agricultural Geography
08	Jasbir Singh	Agricultural Geography
09	Saxena H.M	Geography of Marketing
10	Eliot Hurst(Ed)	Transportation Geography

11	Negi B.S.	Human Geography
12	Herold Carter	Settlement Geography
13	Singh R.Y	Geography of Settlement
14	Peter Hegget	Locational Analysis in Human Geography
15	Hudson F.S.	Urban Geography
16	Ramegouda K.S.	Urban and Regional Planning
17	Chandana R.C.	Geography of Population
18	Savindra Singh	Environmental Geography
19	Sundaram K.V.	Urban and Research Planning in India,
20	Memoria C.B.	Economic and Commercial Geographical of the world
21	Mallappa P.	Economic and Commercial Geographical of the world

Area of Specialization

Title of the Course: Geog-STP-I: GEOMORPHOLOGY AND HAZARD STUDIES

Teaching Hours: 04 Hours Per Week.

Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Define the principles of Geomorphology, evolution, structure and process.
CO2	Discuss the Isostasy, Continental Drift, Plate tectonics, thermal Cycles, and Convectional Currents
CO3	Understand the concepts of denudation i.e. Weathering and Erosion Physical, Chemical and Biological weathering.
CO4	Discuss the Geomorphic Hazards their Origin and Nature, classification, changing Landform structure.
CO5	Analyze the Hazards Management through the Policies, Risk Management and Mitigation, Survival Skills, Rescue operations, Relief and Rehabilitation.

D: Detail Curriculum:

Unit	Content
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I	Principles of Geomorphology: Uniformitarian's, Orderly Sequence of Landforms, Complexity of Geomorphic Evolution and Structure, Process and Stage /time etc.
II	Geotectonic Hypothesis:Isostasy, Continental Drift, Plate tectonics, thermal Cycles, and Convectional Currents
III	Denudation:Weathering and Erosion Physical, Chemical and Biological weathering.Maswasting and Slope Development. Fluvial Process and Marphometric Analysis.
IV	Geomorphic Hazzard;Origin and Nature, classification, changing Landform structure with special reference to flood and drought.
V	Hazards Management:Policies, Risk Management and Mitigation, Survival Skills, Rescue operations, Relief and Rehabilitation.

E: REFERENCES:

01	Arther Bloom	Geomorphology.
02	Spark B.W.	Geomorphology.
03	Thornburry W.D.	Principles of Geomorphology
04	Saxena H.M.	Environmental Geography
05	Burthon R.W.K. & Gilbert F.W.	The Environment As Hazard.

Area of Specialization

Title of the Course: Geog-STP -II: RESOURCE ANALYSIS AND MANAGEMENT

Teaching Hours: 04 Hours Per Week.

Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Understand the Concept of Resource, Classification, Significance and Economic importance.
CO2	Discuss the different types of land resources and utilization along with management of the resource
CO3	Discuss the importance of the Soil Resources and Mineral Resource of economic importance.
CO4	Understand the Climatic regions, Agro-climatic regions, Hydrological Cycle, Green house effect in the region under investigation.
CO5	Discuss the Animal wealth and potentiality, Livestock and dairying Economic Significance of animal wealth, Human Resource Development and Polices.

D: Detail Curriculum:

Unit	Content
I.	Concept of Resource, Classification, Significance and Economic importance.
II.	Resources: Land and Water. Land-use, Land capability, Wasteland reclamation, Land Erosion, Degradation, Wasteland reclamation, Sources of water and potential, watershed Management, rain water harvesting water pollution, and Land water Management.
III.	Soil Resources and Mineral Resource. Soil types, Profile Soil Properties, Permeability, and Infiltration soil fertility, Ph-value, Soil erosion, Soil Pollution, Soil Management, Metallic and Non-Metallic Minerals, Economic Significance of Minerals.
IV.	Climate and Vegetation Resource: Climatic regions, Agro-climatic regions, Hydrological Cycle, Green house effect, Air pollution, and controlling measures, Types of Vegetation and distribution of biomes, deforestation and its consequences, a afforestation and forest polices.
V.	Animal and Population Resources: Animal wealth and potentiality, Livestock and dairying Economic Significance of animal wealth, Human Resource Development and Polices.

E: REFERENCES:

01	Harald Smith	Conservation of Natural Resources.
02	Khanna and Gupta	Economic and Commercial Geography.
03	Negi B.S.	Geography of Resource.
04	Tikka R.N.	World Regional Geography.
05	Zimmerman E.W.	World Resources and Industries.
06	Bruce Mitchell	Geography and Resource Analysis 1) Land Resource 2) Water Resource 3) Vegetation. Resource 4) Climate Resource

		5) Animal Resource 6) Population Resource 7) Soil and Mineral Resources.
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Area of Specialization

Title of the Course: Geog-STP -III: SETTLEMENTS ANALYSIS

Teaching Hours: 04 Hours Per Week.

Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Discuss the concept of settlements and their types.
CO2	Trace the urbanization process, trends, stages and migration.
CO3	Understand the Rural depopulation, Socio-Economic conditions of Rural Settlements: Spatial patterns of Rural Settlements.
CO4	Prepare the strategic urban planning based on the theories and models.
CO5	Prepare the Rural Development Planning and deal with Policies.

D: Detail Curriculum:

Unit	Content
I.	Origin and Evolution of Settlements, Concept of Rural and Urban Settlements, Rural Urban Continuum, Urban Fringe and Urban Corridor.
II.	Process of Urbanizations, trends, phases/stages, Urban sphere of influence, spatial movements and interaction, migration.
III.	Types of Rural Settlements, Rural depopulation, Socio-Economic conditions of Rural Settlements: Spatial patterns of Rural Settlements.
IV.	Urban Planning: Theories/models of Urban, Land –use, Principles of Urban Planning/Master Plan.
V.	Rural Development Planning and Policies.

E: REFERENCES:

01	Hugh D. Clout	Rural Geography, An Introductory Survey, Peramon Press, New York.
02	Baker ARH	The Geography of Rural Settlements, Trends in Geography, By Cooke & Johnson, Peergamon, Oxford
03	Singh R.L.	Rural Settlements in Monsoon Asia, NGSI, Varanasi
04	Mandal R.B.	Introduction of Rural Settlements Concepts, New Delhi.
05	Berry Horton	Geography perspectives on urban systems, Prentice Hall, Englewood Cliffs, New Jersey
06	Ghosh	Settlement Geography.
07	Mayer and Khon	Readings in Urban Geography, McGraw-Hill, New-York.
08	Murphy R.E.	The American City: An urban Geography. McGraw-Hill,

Area of Specialization

Title of the Course: Geog-STP- IV: MARKETING ANALYSIS

Teaching Hours: 04 Hours Per Week. Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Understand the Concepts of Marketing Geography and its significance.
CO2	Discuss the evolutionary process of markets with the theories.
CO3	Classify the markets based on its functioning process.
CO4	Determine the hierarchy of the market settlements with related parameters.
CO5	Prepare the planning strategy for rural development as well as regional development.

D: Detail Curriculum:

Unit	Content
I.	Concepts of Marketing Geography: Marketing as Geographical Phenomena, Marketing Geography as an area of specialization, Importance of Market Settlements among the settlement systems.
II.	Evolutionary aspects of trade system: Early history of trade and beginning of market place trade, Emergence of periodic markets, Theories of market origin.
III.	Classification of Market: Permanent, Periodic, Fair, Retailing, Wholesaling and Services
IV.	Spatio-Temporal distribution of markets, Synchronization, characteristics of Markets, Hierarchical Integration of Periodic markets in the market systems
V.	Market centers and Integrated Area development, Role of Periodic markets in the developments of rural India, Regulated markets and regional development.

E: REFERENCES:

01	Davis R.L.	Marketing Geography, Mathuen and Co, London
02	Carnier&Delobez	Geography of Marketing, Longman, London
03	Saxena H.M.	Geography of Marketing, Concepts and Methods, New Dehli
04	Dixit R.S.	Market Centers and Their Spatial Development in the Umland of Kanpur, Kitab Mahal, Alabhabad.
05	Berry B.J.L.	Geography of Market centres and retail distribution, Prentice-Hall, Englewood Cliffs, New Jersey.
06	Beishaw C.S.	Traditional Exchange and Modern markets. Prentice Hall, Englewood Cliffs.
07	Bormely R.J.	Periodic Markets, Daily Markets and Fair Swanses.
08	Hugar S.I.	Traditional and Non-Traditional Market Exchange.A Study in Spatial Development. Ganga Cauveri Publication, Varanasi.
09	Mulimani A.A.	Marketing Geography: A Spatio - Functional Perspective.
10	Wanmali.S.	Periodic Markets and Rural Development in India. B.R.Publication.

Area of Specialization

Title of the Course: Geog-STP- V: POPULATION STUDIES

Teaching Hours: 04 Hours Per Week.

Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Discuss the Geographical Perspective of Population studies and population distribution.
CO2	Understand the Theories of population and its distribution in India and world with Fertility Morality and Mobility Factors.
CO3	Analyze the Growth of Population and its distribution in India and World. Fertility Morality and Mobility Factors.
CO4	Discuss the Concepts of Optimum, over and under population, Population explosion. Population and resource balance
CO5	Critically assess the Population Polices in Developing and Underdeveloped countries Population Polices, Measure of Population Control

D: Detail Curriculum:

Unit	Content
I.	Geographical Perspective of Population studies Physical/Socio-Economicdeterments of Population distribution.
II.	Theories of population and its distribution in India and world Fertility, Mortality and Mobility Factors. Demographic Transition model Phases.
III.	Growth of Population and its distribution in India and World. Fertility Morality and Mobility Factors
IV.	Concepts of Optimum, over and under population, Population explosion. Population and resource balance
V.	Population Polices in Developing and Underdeveloped countries Population Polices, Measure of Population Control

E: REFERENCES:

01	Garnier B.J.	Geography of Population
02	Chandana R.C	Geography of Population
03	Clerk J.L.	Population Geography
04	Ghosh B.N.	Population Theories and Analysis

05	Trewartha G.T.	Geography of Population.
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Area of Specialization

Title of the Course: Geog-STP- VI:REGIONAL PLANNING AND DEVELOPMENT

Teaching Hours: 04 Hours Per Week. Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Understand the Conceptual Basics of Regional Planning, Scope, Goals, Objective and need for Regional Planning and Regionalization.
CO2	Discuss the Concept of Region, Types of Region, Formal and Functional, Economic and Physical Planning Region.
CO3	Understand the basics of planning and types of Physical and Economic Planning, Sectoral and Spatial Planning, Centralized and decentralized planning.
CO4	Prepare the Planning strategy for Urban and Rural land use, Industries, Draught prone areas, Resource and Environmental issues.
CO5	Discuss the Management and Sustainable Development of Resources: Human, Water, Land, Forest, Mineral and Food

D: Detail Curriculum:

Unit	Content
I.	Conceptual Basics of Regional Planning: Definition, Scope, Goals, Objective and need for Regional Planning and Regionalization.
II.	Region in Regional Planning: Concept of Region, Types of Region, Formal and Functional, Economic and Physical Planning Region, Methods of Regionalization.
III.	Basics of Planning: Concepts of Types of Planning : Physical and Economic Planning, Sectoral and Spatial Planning, Centralized and decentralized planning.
IV.	The Practical of Regional Planning: Planning for Urban and Rural land use, Industries, Draught prone areas, Resource and Environmental issues.
V.	Management and Sustainable Development of Resources: Human, Water, Land, Forest, Mineral and Food.

E: REFERENCES:

01	R.P. Mishra, K.V. Sundaram and VLS Prakash Rao,	Regional Development Planning in India, 1976.
02	R.P. Mishara	Regional Planning, Concepts, Techniques, Polices and Caste Studies, 2004.

03	R.P. Mishra, D.V. Ura & V.K. Nataraj	Regional Planning and National Development, 1997
04	Jhon Glasson	An Introduction to Regional Planning: Concepts, Theory and Practices.
05	Pandey D.D. & Tiwari P.C.	Dimensions of development Planning
06	Mahesh Chand, V.K. Puri	Regional Planning in India, 1993.
07	Roger Minshall	Regional Geography: Theory and Practice.
08	Jayasri Ray Chaudhari	An Introduction to Development and Regional Planning.

Area of Specialization

Title of the Course: Geog-STP VII: ENVIRONMENTAL GEOGRAPHY

Teaching Hours: 04 Hours Per Week.

Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Understand the Nature, Scope and Significance of Environmental Geography
CO2	Discuss the Biomes, importance and economic significance of forests. Afforestation, deforestation – causes and Consequences
CO3	Examine the Nature and Types of degradation, Cause and effects of Environmental degradation.
CO4	Discuss the Environmental Pollution – Air, Water, Land and noise pollution, and their consequences. Measures to control environmental Pollutions.
CO5	Discuss the Global Warming, Ozone Layer depletion and its consequences. Environmental Impact assessment (EIA), Sustainable Environmental Development

D: Detail Curriculum:

Unit	Content
I.	Nature, Scope and Significance of Environmental Geography, Meaning of Environment, biotic and abiotic Components of environment
II.	Biomes: Forest and types of Forest biomes. Importance and economic significance of forests. Afforestation, deforestation – causes and Consequences. Social forestry and Agro forestry, National forest policy and India.

III.	Environmental Degradation – Nature and Types of degradation, Cause and effects of Environmental degradation.
IV.	Environmental Pollution – Air, Water, Land and noise pollution, and their consequences. Measures to control environmental Pollutions.
V.	Global Warming, Ozone Layer depletion and its consequences. Environmental Impact assessment (EIA), Sustainable Environmental Development

E: REFERENCES:

01	Straler and Straler A.H.	Geography of Man's Environment.
02	Frant R.G. and Frank D.N.	Man and the Changing Environment.
03	Smith R.L.	Man and his Environment.
04	Savindra Singh	Environmental Geography.
05	Hagger P.	Geography of Modern Synthesis.
06	Saxena H.M.	Environmental Geography.
07	Mazid Hussain	Environmental Geography.

Area of Specialization

Title of the Course: Geog-STP VIII: GEOGRAPHY OF AGRICULTURE

Teaching Hours: 04 Hours Per Week.

Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Examine the Physical, Soico-Economic and Technological Factors Affection the Agriculture.
CO2	Discuss the Agricultural Systems in the World: Commercial Farming. Truck Farming, Intensive and Extensive Agriculture, Subsistence Agriculture.
CO3	Discuss the agricultural regions by employing the Weavers Crop-Combination technique. Kendal's method of Agricultural Efficiency, Von Thunen's Model, S.S. Bhatia's Crop Concentration Method.
CO4	Discuss the Green Revolution in India and different pattern of agricultural crops.
CO5	Analyse the problems of agriculture and Agricultural policies in India.

D: Detail Curriculum:

Unit	Content
I.	Nature and Scope of Agricultural Geography. Physical, Soico-Economic and Technological Factors Affection the Agriculture.
II.	Agricultural Systems in the World: Commercial Farming. Truck Farming, Intensive and Extensive Agriculture, Subsistence Agriculture.
III.	Agricultural Region and Regionalization: Weavers Crop-Combination technique. Kendal's method of Agricultural Efficiency, Von Thunen's Model, S.S. Bhatia's Crop Concentration Method.
IV.	Green Revolution in India: Regional Disparities. Production and Distribution of Major agricultural crops: Wheat, Rice, Jowar, Maize, Sugarcane, Cotton, Tea & Coffee plantations.
V.	Agricultural Problems: Soil Erosion and Pollution, Stalinization, Wate logging, Fallow land, Use of Chemical fertilizers and Health Hazards, Remedial measures to overcome the problems. Agricultural policies in India

E: REFERENCES:

01	Hussain M	Agriculture Geography, Inter-India Publications Delhi
02	Orgon and Munton	Agriculture Geography, Mathuew, London.
03	Symons L.	Agriculture Geography, Bell and Sons, London
04	Tarrant J.R.	Agriculture Geography, David and Charles,Newton
05	Greger H.F.	Geography of Agriculture: Themes in Research Prentice-Hall, Eaglewood Cliff, London
06	Ilbury B.W.	Agriculture Geography, Oxford University Press.
07	Singh Jasbir & Dhilion S.S.	Agriculture Geography, New-Delhi.

Area of Specialization

Title of the Course: Geog-STP IX: GEOGRAPHY OF TOURISM

Teaching Hours: 04 Hours Per Week.

Maximum Marks: 50 + 50 IA Marks.

C: Course Outcomes: After the completion of this course, researcher will be able to:

CO1	Discuss the Emergence of Tourism as an Industry, Classification of Tourism, Domestic and International Tourism.
CO2	Discuss the Types of Tourist Sites and Heritage buildings in India and Karnataka
CO3	Critically Assess the Impact of tourism on environment.
CO4	Examine the Infrastructural Facilities, Transport Routes: Waterways, Railways, Roadways and Airways Transport Agencies and Guides. Hotels and Motels.
CO5	Prepare the Tourism Planning in India and Karnataka, Tourism Polices. Spatial Dimensions in Tourism Planning.

D: Detail Curriculum:

Unit	Content
I.	Meaning and Nature of Tourism, Emergence of Tourism as an Industry, Classification of Tourism, Domestic and International Tourism.
II.	Types of Tourist Sites: Physical, Cultural and Religious Sites, Major Tourist sites in the world, India and Karnataka significance of tourist sites and buildings. Heritage buildings and sites in India and Karnataka
III.	Tourism and Environment: Impact of tourism on environment. Physical, Cultural and economic impacts. Coastal Tourism, Island Tourism, Mountain Tourism Inland water and Countryside Tourism, Hill Stations.
IV.	Tourism Development: Infrastructural Facilities, Transport Routes: Waterways, Railways, Roadways and Airways Transport Agencies and Guides. Hotels and Motels.
V.	Tourism Planning in India and Karnataka, Tourism Polices. Spatial Dimensions in Tourism Planning.

E: REFERENCES:

01	Tiwari S.P.	Tourism Dimensions, Atmaram Publishers New Delhi, 1994.
02	Singh P.G.	50 Years of India Tourism, Atmaram publishers New Delhi.
03	Arvill R.	Man and Environment – London Publishers, 1967.
04	Aldos T.	Battle of Environment- London Publishers, 1972.

05	Cohen E.	The Impact of Tourism, on Physical Environment, Annals of Tourism Vol.1&2, 1978.
06	Hudson	Geography Tourism Daya Publishing House, New Delhi.
07	Mowa , Sushma	Piligrmiage Tourism Marketing Strategy with special reference to Shree Mata Vaishnave Deve Shrine, 2004.
08	Richard Sharpley	Travel and Tourism.
09	A. K. Bhatia	Tourism Development: Principles and Practice Sterling Publishers Pvt. Ltd, New Delhi, 2002.