AC: 8.8 Item No.





# Rayat Shikshan Sanstha's KARMAVEER BHAURAO PATIL COLLEGE, VASHI, AUTONOMOUS COLLEGE

Sector-15- A, Vashi, Navi Mumbai -400 703
NAAC Grade "A+" with CGPA 3.53

Choice Based Credit System Syllabus

Program: M.A.- I

Course: Geography

Semester: I and II

(As per Choice Based Credit System (CBCS) with effect from the academic year 2021-22)

## Karmaveer Bhaurao Patil College Vashi, Navi Mumbai

## **Autonomous College**

[University of Mumbai]

## Syllabus for Approval

| Sr.<br>No. | Heading                                 | Particulars                  |
|------------|---|------------------------------|
| 1          | Title of Course                         | M.A. Part-I. SemII Geography |
| 2          | Eligibility for Admission               | B.A. Geography Degree        |
| 3          | Passing Marks                           | 40%                          |
| 4          | Ordinances/Regulations (if any)         |                              |
| 5          | No. of Years/Semesters                  | One year/Two semester        |
| 6          | Level                                   | P.G.                         |
| 7          | Pattern                                 | Semester                     |
| 8          | Status                                  | CBCS                         |
| 9          | To be implemented from<br>Academic year | 2021-22                      |

## Rayat Shikshan Sanstha's

## Karmaveer Bhaurao Patil College, Vashi

(Autonomous College)

## Department of Geography

Program: M.A Part- I

## **Details of Semester wise Course and Credits**

| Course No. | Course Title   | Course Type | Course Code | CIE Marks | SEE Marks | Total | Credit<br>Points |
|------------|--|-------------|-------------|-----------|-----------|-------|------------------|
|            | Semester I   |             |             |           |           |       |                  |
| 1.1        | Principles of Geomorphology  | Core Course | PGGEO101    | 40        | 60        | 100   | 6                |
| 1.2        | Principals of Climatology  | Core Course | PGGEO102    | 40        | 60        | 100   | 6                |
| 1.3        | Research Methodology-I   | Core Course | PGGEO103    | 40        | 60        | 100   | 6                |
|            | Tools And Techniques of Spatial Analysis- I                                    | DSE         | PGGEO104A   | 40        | 60        | 100   | 6                |
| 1.4        | OR   |             |             |           |           |       |                  |
|            | Urban Geography  | DSE         | PGGEO104B   | 40        | 60        | 100   | 6                |
| 1.5        | Introduction to Geographic Information<br>System and Global Positioning System | SEC         | PGGEO105    | 40        | 60        | 100   | 6                |
|            |  | Total       |             |           |           | 500   | 30               |
|            |  | Semes       | ter II      |           |           |       |                  |
| 2.1        | Economic Geography   | Core Course | PGGEO201    | 40        | 60        | 100   | 6                |
| 2.2        | Population Geography   | Core Course | PGGEO202    | 40        | 60        | 100   | 6                |
| 2.3        | Research Methodology-II  | Core Course | PGGEO203    | 40        | 60        | 100   | 6                |
|            | Tools and Techniques of Spatial Analysis- II                                   | DSE         | PGGEO204A   | 40        | 60        | 100   | 6                |
| 2.4        | OR   |             |             |           |           |       |                  |
|            | Tropical Geomorphology   | DSE         | PGGEO204B   | 40        | 60        | 100   | 6                |
| 2.5        | Applied Course of Travel & Tourism   | SEC         | PGGEO205    | 40        | 60        | 100   | 6                |
| Total      |  |             |             |           | 500       | 30    |                  |

## M.A. PART-I GEOGRAPHY CBCS SYLLABUS 2021-22 Draft Syllabus Under Autonomy

For M.A. Programme at Semester I & II with effect from the Academic Year 2020-21

#### PRINCIPLES OF GEOMORPHOLOGY

**Course Outcome:** After the completion of course, the students will have ability to:

- 1. Understand the functioning of Earth systems in real time and analyze how the natural and anthropogenic operating factors affect the development of landforms. [1]
- 2. Distinguish between the mechanisms that control these processes. [4]
- 3. Assess the role of structure, stage and time in shaping the landforms. [5]
- 4. Interpret geomorphological maps and apply the knowledge in geographical research. [6]

## **Modules at a Glance PRINCIPLES OF GEOMORPHOLOGY**

| Unit<br>No. | Unit  | Unit Wise Weightage of<br>Marks (in %) |
|-------------|---|--|
| 1           | Introduction to Geomorphology                   | 15                                     |
| 2           | Interior of the Earth and Endogenetic Movements | 15                                     |
| 3           | Exogenetic Processes                            | 15                                     |
| 4           | Cycle of Erosion and Slope Development          | 15                                     |

## *M.A. PART-I GEOGRAPHY CBCS SYLLABUS 2021-22* SEMESTER-I

### **CORE COURSE**

### M. A. GEOGRAPHY PAPER-I

### PRINCIPLES OF GEOMORPHOLOGY

SEMESTER:I COURSE CODE: PGGEO101, CREDITS:6

Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units | Name of the Sub Topic   | No of Lectures |
|-------|---|----------------|
|       | Unit- I Introduction to Geomorphology   |                |
| 1.1   | Nature, scope and content of Geomorphology  |                |
| 1.2   | Geological Evolution of Earth and Geological time scale   | 15             |
| 1.3   | Development of geomorphic thought, Catastrophism,<br>Uniformitarianism, Neocatastrophism                |                |
|       | Unit – II <mark>Interior of the Earth and Endogenetic Movements</mark>                                  |                |
| 2.1   | Constitution of the earth's interior  |                |
| 2.2   | Continental Drift Theory- Sea Floor spreading- Plate Tectonic   | 15             |
| 2.3   | Geosynclines: Geosynclines Theory of Kobber, Holmes'<br>Convection Current Theory, Theories of Isostasy |                |
| 2.4   | Endogenetic movements- types, consequences (earthquakes and volcanoes) and landforms                    |                |
|       | Unit – III Exogenetic Processes   |                |
| 3.1   | Fluvial Geomorphic system: processes and resulting landforms  |                |
| 3.2   | Glacial Geomorphic system: geomorphic processes and features  | 15             |
| 3.3   | Karsts landscape: development and processes   |                |
| 3.4   | Aeolian Geomorphic system: processes and landforms  | 1              |
| 3.5   | Coastal Geomorphic system: processes and landforms  |                |
|       | Unit-IV Cycle of Erosion and Slope Development  |                |
| 4.1   | Landscape evolution – Davisian Model of Cycle of Erosion  | 15             |
| 4.2   | Slope development and related theories: W. M. Davis   |                |

**Note** 1. Yellow Highlighted Topic / Course is related to professional ethics, gender, human values, Environment & sustainability

2. Green Highlighted Topic / Course is related to local/national/regional & global development needs.

#### M.A. PART-I GEOGRAPHY CBCS SYLLABUS 2021-22

#### **REFERENCES:**

- 1. Anhert, F., (1996), "Introduction to Geomorphology", Arnold, London, Sydney, Aukland.
- 2. Bloom, A. L. (2002), "Geomorphology: A Systematic Analysis of Late Cenozoic Landforms", Pearson Education Pvt. Ltd., and Singapore.
- 3. Christopherson, R.W. (1994), "Geosystems: An Introduction to Physical Geography", Macmillan College publishing Company, New York.
- 4. Dayal, P. (1990), "A Textbook of Geomorphology", Shukla Book Depot, Patna.
- 5. Engeln, O. D. Von (1944), "Geomorphology", The Macmillan Company, New York.
- 6. Fairbridge R. W. (1968) (ed.), "Encyclopaedia of Geomorphology", Reinhold, New York.
- 7. Mitchell, C. E. (1973), "Terrain Evaluation", Longmans, London.
- 8. Ritter, D.F., Kochel, R.C., Miller, J.R. (1995), "Process Geomorphology", Wim. C. Brown Publishers, Chicago.
- 9. Sparks, B.W. (1988), "An Introduction to Geomorphology", Longman, London. 10. Strahler A. (1996), "Physical Geography: Science and System of the HumanEnvironment", John Willey, New York.

# Core Course (CC) Principles of Climatology

Course Outcome: After the completion of course, the students will have ability to:

- 1. Understand the elements of weather and climate and its impacts at different scales. [2]
- 2. Explain the thermodynamic process of atmosphere. [4]
- 3. Analyze the global distribution of climatic phenomena [6]
- 4. Predict the behaviour of climatic parameters. [5]

## Modules at a Glance PRINCIPLES OF CLIMATOLOGY

| Unit<br>No. | Unit                                       | Unit Wise Weightage of<br>Marks (in %) |
|-------------|--|--|
| 1           | Introduction to Climatology                | 15                                     |
| 2           | Insolation and Distribution of Temperature | 15                                     |
| 3           | Atmospheric pressure and Winds             | 15                                     |
| 4           | Air Masses and Fronts                      | 15                                     |

## M. A. GEOGRAPHY PAPER-II

## PRINCIPLES OF CLIMATOLOGY

SEMESTER:I COURSE CODE: PGGEO102, CREDITS:6

Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units | Name of the Sub Topic   | No of<br>Lectures |
|-------|---|-------------------|
|       |   |                   |
| 1.1   | Nature and scope of Climatology   |                   |
| 1.2   | Relationship of Climatology with Meteorology  | 15                |
| 1.3   | Structure and composition of Atmosphere   |                   |
| 1.4   | Weather elements and climatic controls  |                   |
|       | Unit – II Insolation and Distribution of Temperature  |                   |
| 2.1   | Insolation and heat balance of the Earth  |                   |
| 2.2   | Temperature - Vertical, horizontal and seasonal variations  | 15                |
| 2.3   | Processes of heat energy transport  |                   |
| 2.4   | Inversion of temperature  |                   |
|       | Unit – III Atmospheric pressure and Winds   |                   |
| 3.1   | Atmospheric pressure – vertical and horizontal distribution                                       |                   |
| 3.2   | General Circulation of atmosphere   | 15                |
| 3.3   | Types of winds – Geotropic, Gradient and local winds  |                   |
| 3.4   | Origin of Monsoon: classical and recent views,  |                   |
|       | Unit – IV Air Masses and Fronts   |                   |
| 4.1   | Air masses: Origin, classification, types   |                   |
| 4.2   | Fronts: frontogenesis and frontolysis- classification of fronts                                   | 15                |
| 4.3   | Extra-tropical cyclones: formation and impacts  | 13                |
| 4.4   | Climatic Classification: Koppen and Thornthwaite, concept of water balance problems and prospects |                   |

**Yellow Highlighted Topic / Course** is related to professional ethics, gender, human values, Environment & sustainability

#### **REFERENCES:**

- 1. Barry, R.S. & Chorley, R.J. (1971): Atmosphere, Weather and Climate, ELBS, Methuen & Co. Ltd., U.S.A.
- 2. Griffiths, J.F.(1966): Applied Climatology-An Introduction, Oxford University Press, London.
- 3. Lal, D.S.(1997): Climatology, ShardaPustakBhawan, Allahabad.
- 4. Mather, J. R.(1974): Climatology: Fundamentals and Applications, McGraw Hill Book Co. New York.
- 5. McBoyle, G.(1973): Climate in Review, Houghton Mifflin Co., Boston.
- 6. Subrahmanyam, V.P.(ed)(1983):Contribution to Indian Geography, Heritage Publishers, New Delhi,
- a) Vol. III General Climatology b) Vol. IV- Applied Climatology
- 7. Harp, H.J. and Trinidade, O.D. (eds) (1990): Climate and Development, Springer Verlag, U.S.A. 8. Oliver, J.E. and Hidose, J.J. (1984): Climatology An Introduction, Charles and Merrill, U.S.A.
- 8. Robinson, P.J. and Hendersen-Sellers, A.(1999): Contemporary Climatology, Pearson Education, London

# Discipline Specific Elective (DSC) TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- I (Practical Paper)

Course Outcome: After successfully completion of this course, the students will be able to ...

- 1. Generate thelongitudinal, Composite and Projected profile with the help of contour maps.[6]
- 2. Construct the diagramsfor the altimetric analysis and justify the answers.[6]
- 3. Understand the physical and chemical properties of Soil. [2]
- 4. Evaluate the climatic data using statistical techniques. [5]

## Modules at a Glance TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- I

| Unit<br>No. | Unit                                 | Unit Wise Weightage of<br>Marks (in %) |
|-------------|--------------------------------------|--|
| 1           | Techniques of Geomorphic Analysis    | 15                                     |
| 2           | Techniques of Soil Analysis          | 15                                     |
| 3           | Techniques of Climatic Data Analysis | 15                                     |

## M. A. GEOGRAPHY PRACTICAL PAPER

## TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- I

SEMESTER:I COURSE CODE:PGGEO103,

**CREDITS:6** 

Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units       | Name of the Sub Topic  | No of Lectures |
|-------------|--|----------------|
|             |  |                |
| 1.1 A       | Drawing Profiles:  |                |
| 1.1.1       | Longitudinal   |                |
| 1.1.2       | Composite and Projected  |                |
| 1.2 B       | Methods of Slope Analysis  |                |
| 1.2.1       | Wentworth's method of average slope determination                            | 20             |
| 1.2.2       | Robison's method of slope analysis'  |                |
| 1.2.3       | G. H. Smith's method of slope analysis                                       |                |
| 1.2.4       | Construction of Block Diagram  |                |
| 1.3 C       | AltimetricAnalysis   |                |
| 1.3.1       | Ring contour method  |                |
| 1.3.2       | Highest grid-cell elevation method   |                |
| U           | Init- II Techniques of Soil Analysis   |                |
| 2.1         | Textural analysis  | 20             |
| 2.2         | Chemical Analysis – pH and moisture determination                            |                |
|             | Unit – III Techniques of Climatic Data Analysis                              |                |
| 3.1         | Rainfall dispersion diagrams   |                |
| 3.2         | Wind roses   |                |
| 3.3         | Water surplus-deficiency graphs  | 20             |
| 3.4         | Climatograph   |                |
| 3.5         | Climograph: Hyther graph, Taylor's climograph                                |                |
| 3.6         | Index of aridity and index of moisture                                       |                |
| lue Highlig | hted Topic / Course has focus on employability/ entrepreneurship/skill devel | opment         |

#### **REFERENCES:**

- 1. King, C. A. M. (1978): Techniques in Geomorphology, Edward Arnold, London.
- 2. Miller, A.A. (1966): The Skin of the Earth, Methuen, London.
- 3. Monkhouse, F.J. and Wilkinson, H.R. (1971): Maps and Diagrams, Methuen, London.
- 4. Cole, J.R and King, C.A.M. (1968): Quantitative Geography, John Wiley And Sons, London.
- 5. Goudie, A. (1981): Geomorphological Techniques, George Alien And Unwin, London.
- 6. Hammond, R. And McCullagh, P.S. (1974): Quantitative Techniques in Geography: An Introduction, Oxford University Press, London. MahmoodAslam (1977): Statistical Methods in Geographical Studies, Rejesh Publication, New Delhi.
- 7. Singh, Gopal (2001): Map Work and Practical Geography, Vikas Publishing House Pvt. Ltd.
- 8. Singh, L.R. (2011): Fundamentals of Practical Geography, ShardaPustakBhavan, Allahabad.
- 9. Singh, R.L. and Singh, R. B. (2004): Elements of Practical Geography, Kalyani Publishers, New Delhi Ludhiana.

## Core Course (CC) RESEARCH METHODOLOGY

#### **Course Objectives:**

- 1. To develop the understanding of the basic concept of research
- 2. To develop the understanding of the basic framework of sampling and data collection
- 3. To develop the understanding of various sampling methods and techniques
- 4. To identify various sources of information for data collection.
- 5. Understanding of the conducting survey on various issues and develop the Report writing skill of students

#### **Course Outcome:**

- 1. Demonstrate the ability to choose methods appropriate to research aims and objectives
- 2. Understand the limitations of particular research methods
- 3. Develop skills in qualitative and quantitative data analysis and presentation
- 4. Develop advanced critical thinking skills
- 5. Demonstrate enhanced writing skills

# Modules at a Glance RESEARCH METHODOLOGY

| Unit<br>No. | Unit                                 | Unit Wise Weightage of<br>Marks (in %) |
|-------------|--------------------------------------|--|
| 1           | Introduction to Research Methodology | 15                                     |
| 2           | Research Problem and Research Design | 15                                     |
| 3           | Methods of Data Collection           | 15                                     |
| 4           | Research Report Writing              | 15                                     |

## M.A. FIRST YEAR (SEMESTER- I)

## RESEARCH METHODOLOGY

COURSE CODE: PGGEO104A; COURSE CREDIT: 06

Teaching Hours 60 + Notional Hours 60= Total hours 120

| Units        | Name of the sub Topic  | No of Lectures |
|--------------|--|----------------|
|              |  |                |
| 1.1          | Research: definition, scope and significance                                       |                |
| 1.2          | Objectives of Research   | 15             |
| 1.3          | Types of Research  |                |
| 1.4          | Research Ethics  |                |
|              | Unit- II Research Problem and Research Design                                      |                |
| 2.1          | Research Problem: definition, identification and necessity                         |                |
| 2.2          | Technique involved in defining a problem   | 15             |
| 2.3          | Meaning, needs and features of research design                                     |                |
| 2.4          | Types of research design   |                |
|              | Unit- III Methods of Data Collection   |                |
| 3.1          | Primary Data:Interview Method, Questionnaire Method,                               |                |
|              | Observation Method, Survey Method, Case Study Method,                              | 15             |
|              | Experimental Method  | 13             |
| 3.2          | Secondary Data :Government Sources, Syndicated Sources, Other                      |                |
|              | Types of Sources   |                |
|              | Unit - IV Research Report Writing  |                |
| 4.1          | Types of Research Report: Technical Report, Popular Report                         |                |
| 4.2          | Characteristics of Good Research Report Writing                                    |                |
| 4.3          | Techniques of Research Report Writing:   |                |
|              | i) Structure and organization of research reports - Title, abstract,               | 15             |
|              | key words, introduction  |                |
|              | ii) Methodology, results, discussion, conclusion, references,                      |                |
|              | footnotes  |                |
|              | iii) Concepts of Case Study  |                |
| Blue Highlig | hted Topic / Course has focus on employability/ entrepreneurship/skill development |                |

#### References

- 1. Montello Daniel R. and Sutton Paul C. (2006) Introduction to scientific research Methods if Geography. By Saga Publication
- 2. Kothari, C. R. (2004) Research Methodology Methods and techniques, New Age.
- 3. Mishra, H.N. and Sing, V.P. (1998)- research Methodology in Geography, Rawat Publication
- 4. Clifford, N. Fresh S, Valentine, G. (2010) Key Methods in Geography, Saga Publication
- 5. Gregory, K. J. (2000) The changing Nature of Physical Geography, Arnold, London
- 6. Gomez basil and Jones, III John Paul (editor) (2010) Research Methods in geography: A Critical, Wiley Blackwell
- 7. Harvey, David (1971) Explanation in Geography, Edward Arnold, London
- 8. Chorley, R. J. and P. Hagg-tt(ed) (1967) Models in Geography, Methuen
- 9. Gaum, Carl G., Graves, Harod F., and Hoffman, Lyne, S.S., (1950): Report Writing, 3rd ed., New York: Prentice-Hall.
- 10. Kothari, C.R. (2004): Research Methodology: Methods and Techniques, New Age

# Discipline Specific Elective (DSC) URBAN GEOGRAPHY

Course Outcome: After successfully completion of this course, the students will be able to ...

- 1. Explain the demographic, economic and social aspects and understand the urbanization trends, urban sprawl, fringes of urban geography.[2]
- 2. Compare and contrast the concept of Industrialization, political economy of urbanization with their characteristics. [4]
- 3. Compare and contrast the concept of Industrialization, political economy of urbanization with their characteristics. [4]
- 4. Determine the elements of city plan and prepare the master plan. [6]

| Unit<br>No. | Unit  | Unit Wise Weightage of<br>Marks (in %) |
|-------------|---|--|
| 1           | Urbanization Process and Urban Systems  | 15                                     |
| 2           | Urbanization Process, Capitalism and development  | 15                                     |
| 3           | Contemporary Urban issues & Urban policy andplanning  | 15                                     |
| 4           | Understanding the Urban Transformation with Special Reference to Mumbai Metropolitan Region | 15                                     |

## M. A. – I GEOGRAPHY **URBAN GEOGRAPHY**

## **R:I** COURSE CODE: PGGEO104B, COURSE CREDITS: 6 Teaching Hours 60 + Notional Hours 60 = Total hours 120 **SEMESTER:I**

| Unit No.     | Name of the Sub Topics   | No of<br>Lectures |  |
|--------------|--|-------------------|--|
|              | Unit – I Urbanization Process and Urban Systems  |                   |  |
| 1<br>1       | The bases of urbanization- Demographic, economic and social aspects- Origins of the cities- Urbanisation Trends – urban  |                   |  |
| 1            | fringe, urban sprawl and suburbanization  Urban Land use – various approaches – Classical, Neo-classical approaches – Human, Ecology, land economics, activity   | 15                |  |
| 2            | systems  |                   |  |
| 1<br>3       | Urban location of economic activities— Urban morphology and land use- Critical Perspective   |                   |  |
| 1 .          | Urban System- Evolution, growth and organization- Primacy, hierarchy and balance— urban functions and Town classification  |                   |  |
| 4            | Unit – II Urbanization Process, Capitalism and development   |                   |  |
| 2.1          | Capitalism and urban development - Urbanization in the industrialized world -Political economy of urbanization.  |                   |  |
| 2.2          | Urbanization in the Third World - Concept of peripheral urbanization - Salient characteristics- slums and Urban poverty-Capitalism and urban development -Urbanization in the industrialized world                 | 15                |  |
| 2.3          | Colonial and post-colonial structure – Concepts of dualism and urban economic base in Third World Cities   |                   |  |
| 2.4          | Theoretical Perspectives on role of Cities in regional and national development – cumulative Causation- Core and Periphery and growth pole theory - Top-down and bottom-up approach of urban and regional Planning |                   |  |
|              | Unit – III Contemporary Urban issues & Urban policy and  |                   |  |
| 3.1          | Price of land and vertical and horizontal growth of cities, Urban sprawl   |                   |  |
| 3.2          | Socio-economical and environmental issues of urban region  | 15                |  |
| 3.3          | Policies of Urban development  |                   |  |
| 3.4          | Need of city planning, Elements of city plan, Master Plan of towns, New towns  |                   |  |
|              | Unit – IV Understanding the Urban Transformation with Special Reference to Mumbai Metropolitan Region  |                   |  |
| 4.1          | Slum redevelopment in Mumbai- the case of Dharavi  | 15                |  |
| 4.2          | Issues of urban planning and environment in Kalyan-Dombivali Municipal region  | 13                |  |
| 4.3          | Mumbai a reclaimed city and challenges in urban planning   |                   |  |
| 4.4          | The Planned City of Navi Mumbai: A Critical Perspective  |                   |  |
| Green Highli | ghted Topic / Course is related to local/national/regional & global development needs  | 1                 |  |

#### **REFERENCES:**

- 1. Carter, H (1972): The Study of Urban Geography, Edward Arnold.
- 2. A. Latham, D. McCormack, K. McNamara, D. McNeill (2009): Key Concepts in Geography, Sage.
- 3. Harvey, D.(1973): Social Justice and the City, Arnold
- 4. Abu-Lughod, J. and Hay, R. Jr. (1977): Third World Urbanisation, Maarouta Press.
- 5. Gugler. J. (ed.)(1988): The Urbanisation of the Third World, O.U.P 6. Sassen, S. (1991): The Global City, Princeton University Press.
- 6. Clarke, D. (1982): Urban Geography: An Introductory Guide, Groom Helm.
- 7. Marcuse, P. and Kempen, R.V. (eds.),(2000): Globalizing Cities: A New Spatial Order, Blackwell,
- 8. Short, J. R. (1996): The Urban Order, Basil Bleckwell.
- 9. Smith, N. (1996): The New Urban Frontier, Rutledge
- 10. King A. D. (1990): Global Cities, Rutledge.
- 11. Simmonds, R. and Hack, G. (2000): Global City Regions, Spon Press.
- 12. Markusen, A.R., et al. (1991): Second Tier Cities- Rapid Growth beyond the Metropolis, University of Minnesota Press.
- 13. Allen J. Scott (ed.), (2001): Global City Regions, Trends, Theory & Policy, Oxford University Press.
- 14. David Harvey (1985): The Urbanization of Capital, John Hopkins University Press.

## **Skill-Enhancement Elective Course (SEC)**

#### Introduction to Geographic Information System and Global Positioning System

#### **Course Objectives:**

- 1. To introduce the students about the basic concepts of GIS.
- 2. To acquaint the students with the utility and applications of GIS Technique.
- 3. To create the awareness about Geospatial technology among the students.
- 4. To inculcate skill of map making among the students by using GIS Technique

Course Outcomes: On successfully completion of this course, the students will able to -

- 1. Comprehend knowledge about the concepts in GIS.
- 2. Articulate the various types of GIS date.
- 3. Devise GPS ground survey and map
- 4. Acquire skills of map making using GIS.
- 5. Design the various map and conclude solution.

| Unit<br>No. | Unit                      | Unit Wise Weightage of<br>Marks (in %) |
|-------------|---------------------------|--|
| 1           | Introduction to GIS       | 15                                     |
| 2           | Data Types & Models       | 15                                     |
| 3           | Global Positioning System | 15                                     |
| 4           | Software based Practical  | 15                                     |

### M.A.-I GEOGRAPHY (SEMESTER- I)

## INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEM AND GLOBAL POSITIONING SYSTEM

COURSE CODE: PGGEO105: COURSE CREDIT: 06 Teaching Hours 60+ Notional Hours 60.= Total hours 120

| Units        | Name of sub units   | No of    |
|--------------|---|----------|
|              |   | Lectures |
|              | Unit – I Introduction to GIS  |          |
| 1.1          | Definition of GIS   |          |
| 1.2          | Stages of GIS Development   |          |
| 1.3          | Objectives of GIS   |          |
| 1.4          | Components GIS  |          |
| 1.5          | GIS Applications  |          |
|              | Unit-II Data Types & Models   |          |
| 2.1          | Spatial Data – Concept, Sources; Data Models – Raster & Vector                        |          |
| 2.2          | Non-spatial Data – Concept, Sources; Data Models – Relational,                        |          |
|              | Network, Hierarchical & Object-orientated   |          |
|              | Unit- III Global Positioning System   |          |
| 3.1          | GPS : Concept, Segments, Applications   |          |
| 3.2          | Types of GPS – GPS Data Accuracy and Errors   |          |
| 3.3          | Factors Affecting GPS Data - Global Navigation System                                 |          |
| 3.4          | Ground Survey and Demarcation of Point, Line and Polygon Features                     |          |
|              | with GPS Device – Transfer GPS Data to Computer with Software's                       |          |
|              | likeEasy GPS  |          |
|              | Unit-IV Software based Practical  |          |
| 4.1          | Geo-referencing of Toposheet/Map  |          |
| 4.2          | Digitization of Point, Line & Polygon (at least one layer of each)                    |          |
| 4.3          | Data Attachment   |          |
| 4.4          | Creation of Layout and Map  |          |
| Green Highli | ghted Topic / Course is related to local/national/regional & global development needs |          |

#### **Reference Books:**

- Burrough, P. A. and McDonnell, R. A. (2000): Principles of Geographical Information Systems, Oxford University Press, New York.
- Chang, K. T. (2008): Introduction to Geographic Information Systems, Avenue of the Americas, McGraw-Hill, New York.
- Debashis, C. and Sahoo, R. N. (2015): Fundamentals of Geographic Information System, Viva Books Private Limited.
- DeMers, M. N. (2008): Fundamentals of Geographic Information Systems, John Wiley and Sons, New Delhi.
- Heywood, I., Cornelius, S. and Carver, S. (2011): An Introduction to Geographical Information Systems, Pearson Education, New Delhi.
- Karlekar, S. (2007): BhaugolikMahitiPranali (GIS), Diamond Publications, Pune.
- Korte, G. B. (2001): The GIS Book, Onward Press, Bangalore.
- Longley, P. A., Goodchild, M. F., Maguire, D. J. and Rhind, D. W. (2002): Geographical Information Systems and Science, John Wiley & Sons, Chichester.
- Lo Albert, C. P., Yeung and Albert K. W. (2002): Concepts and Techniques of Geographical Information Systems, Prentice Hall of India, New Delhi.
- Pandey, J. and Pathak D. (2015): Geographic Information System, TERI Press, The Energy and Resources Institute, New Delhi.

## Semester – II Core Course (CC) ECONOMIC GEOGRAPHY

**Course Outcome:** After successfully completion of this course, the students will be able to ...

- 1. Explain the concept of manufacturing, growth and development of industrial geography. [2]
- 2. Apply the approaches of economic geography. [3]
- 3. Analyze the world energy condition with examples. [4]
- 4. Predict the energy crisis of the world with examples. [6]
- 5. Explain the role of regional trade blocks in the economic development.[2]

| Unit<br>No. | Unit                               | Unit Wise Weightage of<br>Marks (in %) |
|-------------|------------------------------------|--|
| 1           | Introduction to Economic Geography | 15                                     |
| 2           | Growth of Industrial Geography     | 15                                     |
| 3           | Energy Resources                   | 15                                     |
| 4           | Transportation and Trade Block     | 15                                     |

#### M. A.- GEOGRAPHY

#### ECONOMIC GEOGRAPHY

COURSE CODE:PGGEO201, **CREDITS:6** SEMESTER: II

Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units                      | Name of the Sub Topic   | No of Lectures |  |
|----------------------------|---|----------------|--|
|                            | Unit – I Introduction to Economic Geography   |                |  |
| 1.1                        | Definition, Nature and scope of economic geography                                      |                |  |
| 1.2                        | Fundamentals of economic geography  | 1.5            |  |
| 1.3                        | Approaches to the study of economic geography   | 15             |  |
| 1.4                        | Basis of economic processes: Production, exchange &                                     |                |  |
|                            | consumption. Classification of economic activities-                                     |                |  |
|                            | Unit – II Growth of Industrial Geography  |                |  |
| 2.1                        | Definition & Importance of manufacturing  |                |  |
| 2.2                        | Concept of growth and development of Industrial geography                               |                |  |
| 2.3                        | Principles of Industrial Location – Profit maximization - Least                         | 15             |  |
|                            | cost location –Substitution –Interdependence – Territorial                              | 13             |  |
|                            | production complexes  |                |  |
| 2.4                        | Factors of Industrial Location  |                |  |
| 2.5                        | Weber &Losch, Rostows model, Industrial policy in India                                 |                |  |
| Unit- III Energy Resources |   |                |  |
| 3.1                        | Meaning and classification of resources   |                |  |
| 3.2                        | World energy situation;   | 4.5            |  |
| 3.3                        | Sources of Energy: Coal, Oil, Natural gas and Nuclear energy,                           | 15             |  |
|                            | OPEC Transportation and Trade Blocks  |                |  |
| 3.4                        | Energy crisis.  |                |  |
|                            | Unit – IV Transportation and Trade Block  |                |  |
| 4.1                        | Modes of transportation   |                |  |
| 4.2                        | Characteristics and relative significance of modes of                                   |                |  |
|                            | transportation,   |                |  |
| 4.3                        | Accessibility and connectivity;   | 15             |  |
| 4.4                        | Interregional and Intraregional: Ullman's tried-  |                |  |
|                            | Complementarily- Intervening Opportunity- Transferability.                              |                |  |
| 4.5                        | Globalization, Regional Trade blocks EEC, EFTA, & WTO.                                  |                |  |
|                            | Ricardo's Classical Theory.   |                |  |
| Green High                 | lighted Topic / Course is related to local/national/regional & global development needs |                |  |

#### **REFERENCES:**

- 1. Hartshorne, T. A. and Alexander, J. W. (2010): Economic Geography, PHI Learning, New Delhi
- 2. Knox, P., Agnew, J. and McCarthy, L. (2008): The Geography of the World Economy, Hodder Arnold, London
- 3. Lloyd, P. and Dicken, B. (1972): Location in Space: A Theoretical Approach to Economic Geography, Harper and Row, New York
- 4. Siddhartha, K. (2000): Economic Geography: Theories, Process and Patterns, Kisalaya Publications, New Delhi
- 5. Smith, D. M. (1971): Industrial Location: An Economic Geographical Analysis, John Wiley and Sons, New York

# **Core Course (CC) Population Geography**

#### **Course Outcome:**

- 1. Understand the distribution patternsof population on global and regional scale. [2]
- 2. Calculate fertility, mortality with the help of data. [6]
- 3. Illustrate the migration theories predict the migration process. [3][6]
- 4. Recognize the problems of urbanization and analyze the policies of urbanization. [2][4]
- 5. Explain the limits of growth, human development and gender equity. [2]

| Unit<br>No. | Unit                                 | Unit Wise Weightage of<br>Marks (in %) |
|-------------|--------------------------------------|--|
| 1           | Introduction to Population Geography | 15                                     |
| 2           | Measures of Fertility and Mortality  | 15                                     |
| 3           | Population Theories                  | 15                                     |
| 4           | Population Resources and Policy      | 15                                     |

## M. A.-I GEOGRAPHY

## **POPULATION GEOGRAPHY**

SEMESTER:II COURSE CODE:PGGEO202, CREDITS:6

Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units | Name of the Sub Topic  | No of<br>Lectures |
|-------|--|-------------------|
|       | Unit – I Introduction to Population Geography                              |                   |
| 1.1   | Meaning, nature, scope and signify etc with the help of                    |                   |
|       | significance of population geography                                       |                   |
| 1.2   | Sources of population data   | 15                |
| 1.3   | Factors influencing population distribution and density                    | 13                |
| 1.4   | Population distribution patterns- world and India                          |                   |
| 1.5   | Population composition-demographic, socio-cultural, economic               |                   |
|       | Unit – II Measures of Fertility and Mortality                              |                   |
| 2.1   | Fertility- measures and methods of estimations &Spatio-temporal variations |                   |
| 2.2   | Mortality- measures and methods of estimation                              | 15                |
| 2.3   | Migration- measures and methods of estimations                             |                   |
| 2.4   | Urbanization-issues, perspectives and policies.                            |                   |
|       | Unit – III Population Theories   |                   |
| 3.1   | Theories of population growth: Malthus, Neo-Malthusian, Marx,              |                   |
|       | Demographic Transition Model   | 15                |
| 3.2   | Migration theories: Ravenstein and Everette Lee;                           |                   |
|       | Epidemiological Transition   |                   |
|       | Unit – IV Population Resources and Policy                                  |                   |
| 4.1   | Population as resource, population and development debate,                 |                   |
|       | population as ecosystem  |                   |
| 4.2   | Limits to Growth, Population resource region, Human                        | 15                |
|       | development, gender equity   | 13                |
| 4.3   | Population Policies-perspectives from developed and developing world       |                   |
| 4.4   | National Population Policy of India  |                   |

#### M.A. PART-I GEOGRAPHY CBCS SYLLABUS 2021-22

#### **REFRENCES:**

- 1. Bhende, A. and Kanitkar, T. (2008): Principles of Population Studies, Himalaya Publishing House, Mumbai
- 2. Chandana, R. C. and Sidhu, M. S. (1980): Introduction to Population Geography, Kalyani, New Delhi
- 3. Clarke, J. F. (1965): Population Geography, Pergamon Press, Oxford
- 4. Garnier, B. (1966): Geography of Population, Longman, London
- 5. Hussain, M. (1999): Human Geography, Rawat Publication, Jaipur
- 6. Mandal, R. B. (1979): Introduction to Rural Settlement, Concept Publishing Company, New Delhi
- 7. Sawant, S. B. (1994): Population Geography, Mehta Publishing House, Pune
- 8. Shivramkrishanan, K. C. et al (2005): Handbook of Urbanization in India, Oxford, Delhi

## **Discipline Specific Elective ( DSE )**

# Practical Paper Tools and Techniques of Spatial Analysis- II

#### **Course Outcome:**

- 1. Generate the locations map of mean, median centre in particular place and analyze the results. [6]
- 2. Prepare the matrices table with the help of minimum aggregate distance and calculate accessibility and connectivity. [6]
- 3. Distinguish between Aspatial and spatial data. [4]
- 4. According to the geographical data, select the appropriate diagram / graph/image/ picture. [5]

| Unit<br>No. | Unit                                     | Unit Wise Weightage of<br>Marks (in %) |
|-------------|--|--|
| 1           | Statistical Techniques                   | 24                                     |
| 2           | Nature and application of spatial data   | 20                                     |
| 3           | Computer processing of geographical data | 16                                     |

## M. A. GEOGRAPHY PRACTICAL PAPER

# TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- II

SEMESTER:II COURSE CODE:PGGEO203, CREDITS:6 Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units         | Name of the Sub Topic   | No of    |
|---------------|---|----------|
|               |   | Lectures |
|               | Unit – I Statistical Techniques   |          |
| 1.1 A         | Measures of Central Tendency  |          |
| 1.1.1         | Measures of central tendency: mean center, median center and mode, weighted mean  |          |
| 1.1.2         | Z score – different applications and interpretations.   | 24       |
| 1.2 B         | Network Analysis  | 24       |
| 1.2.1         | Topological graphs -Connectivity- Calculations of Alpha, beta and gamma indices.  |          |
| 1.2.2         | Mapping of relative accessibility and connectivity – Matricespoint of minimum aggregate travel distance                             |          |
| Į             | Unit- II Nature and application of spatial data   |          |
| 2.1           | Data types – qualitative and quantitative   |          |
| 2.2           | Aspatial and spatial data   |          |
| 2.3           | Scales of measurement of data: nominal, ordinal, interval and   | 20       |
|               | ratio – symbolization and representation – interpretation and relationships   | 20       |
| 2.4           | Sources of data – Primary and secondary   |          |
| 2.5           | Designing a questionnaire   |          |
|               | Unit – III Computer processing of geographical data   |          |
| 3.1           | Symbolization, Preparation of matrix  |          |
| 3.2           | Diagrammatic Representation.  |          |
| 3.3           | Compilation of data   | 16       |
| 3.4           | Computation of data: qualitative and quantitative data based on descriptive statistical measures application of computer programmes |          |
| Blue Highligh | ghted Topic / Course has focus on employability/ entrepreneurship/skill development   |          |

#### **REFERENCES:**

- 1. Robinson, A. H. and Others (1995): Elements of Cartography, VI Edition, John Wiley & Sons, New York.
- 2. Anson, R. W. and Ormeling, F. J., (Ed.) (1993): Basic Cartography for Students and Technicians, Vol.I, International Cartographic Association and Elseiver Applied Science Publishers, London.
- 3. Dickinson, G. C. (1977) Statistical Mapping and the Presentation of Statistics, Edward Arnold Ltd., London.
- 4. Monkhouse, F. J. and H. R. Wilkinson, (1971): Maps and Diagrams, Methuen & Co. Ltd., London.
- 5. Hodgkiss, A. G. (1970): Maps for Books and Theses, David and Charles Publishers Ltd., London.
- 6. Misra R. P. and A. Ramesh, (1969): Fundamentals of Cartography, Prasaranga, University of Mysore
- 7. Young, P. V. and Schmid, C. F. (1979): Scientific Social Surveys and Research, ntice Hall, New Delhi.
- 8 .MahmoodAslam (1977), Statistical Methods in Geographical Studies, Rajesh Publication, New Delhi.
- 9. Hammond,R. and McCullagh,P.S. (1974), Quantitative Techniques in Geography: An Introduction, Oxford University Press, London.
- 10. Yeates, M (1974), An Introduction to Quantitative Analysis in Human Geography, McGraw Hill Book Co., New York.
- 11. Cole, J. P. and King, C. A. M., (1968), Quantitative Geography, John Wiley and Sons, London.
- 12. Fotheringham, A.S., Brunsdon, C., Charlton, M ,(2000) Quantitative Geography: Perspectives on Spatial Data Analysis, Sage Publication Ltd, London,
- 13 .Baily, T.C., and Gatrell, A. C, (1995), Interactive Spatial Data Analysis, Prentice Hall, London
- 14. Griffith ,D. A. , Layne, L.J.,(2002) A Casebook for Spatial Statistical Data Analysis: A Compilation of Analyses of Different Thematic Data Sets , Amazon.com
- 15. Wicox, P.R. (2003), Applying Contemporary Statistical Techniques, Academic Press, Amsterdam

# Core Course (CC) Statistical Tools for Data Analysis

#### **Course Outcome:**

- 1. Understand the fundamentals of statistical techniques of correlation and regression analysis. [2]
- 2. Apply sampling techniques in geographical analysis. [4]
- 3. Test the hypothesis for research problem. [4]

| Unit<br>No. | Unit   | Unit Wise Weightage of<br>Marks (in %) |
|-------------|--|--|
| 1           | Central Tendency, Correlation and Regression     | 15                                     |
| 2           | Index Number                                     | 15                                     |
| 3           | Sampling   | 15                                     |
| 4           | Hypothesis formulation and Hypothesis<br>Testing | 15                                     |

## M. A. GEOGRAPHY

## Statistical Tools for Data Analysis

## SEMESTER:II COURSE CODE:PGGEO 204A, COURSE CREDITS:6

Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units       | Name of the Sub Topics  | No of<br>Lectures |
|-------------|---|-------------------|
|             | Unit – I Central Tendency, Correlation and Regression   |                   |
| 1.1         | Central Tendency: Mean, Mode and Medium   |                   |
| 1.2         | Correlation-Meaning and types of correlation, measurement of  |                   |
|             | correlation, Scatter diagram, Karl Pearsonís coefficient of   |                   |
|             | correlation, Spearmanís Rank correlation- Testing of correlation coefficient.   | 15                |
| 1.3         | Regression: Simple regression model-estimation ñ least squares model- Goodness of fit. Introduction to multiple regressions.  |                   |
| Unit- II    | Index Number  |                   |
| 2.1         | Meaning ñ classification and problems encountered while constructing index numbers- uses and limitation of index numbers, Methods of constructing index numbers: Simple indices) aggregate method ii) simple average of relativesmethod, Weighted index: Laspeyerís, Paacheís and Fisherís index and weighted average of relatives method. Limitations of Index Number. | 15                |
| 2.2         | Concepts of Base shifting, splicing, and deflating, Consumer price index: meaning, need and construction ñ methods: aggregate expenditure method and family budget method.  |                   |
| nit – III S | Sampling  |                   |
| 3.1         | Meaning and Aims of Sampling  |                   |
| 3.2         | Characteristics of good Sample  |                   |
| 3.3         | Sampling Techniques or Methods  |                   |
| 3.4         | Probability Sampling Methods  | 1.5               |
| 3.5         | Non-Probability Sampling Methods  | 15                |
| 3.6         | Optimum size of sampling and Advantages and Limitations of Sampling   |                   |
|             | Unit – IV Hypothesis formulation and Hypothesis Testing   |                   |
| 4.1         | Definition and functions of hypothesis and Criteria of workable hypothesis ñ forms and sources of hypothesis- Concepts in Testing of Hypothesis: Universe / Population, parameter and statistic.  | 15                |
| 4.2         | Null and Alternative Hypotheses, Levels of Significance, critical region, Type I and Type II errors.  | 13                |
| 4.3         | T-test, F-test, X 2 -test   |                   |

#### **References:**

- 1. C. R. Kothari and Gaurav Garg, Research Methodoloy Methods and Techniques, New Age Publicshers, Third Edition 2014.
- 2. Goode J. William & Hatt K. Paul, Methods in social Research, New York, McGraw-Hill, 1952.
- 3. Krishnaswami, O.R &, M. Ranganathan, Methodology of Research in Social Sciences, Himalaya Publishing House, Mumbai, 2011.
- 4. Kumar, Renjith (2009) Research Methodology: A Step by Step Guide for Research, Delhi, Pearson Education, 2009.
- 5. P.Saravanavel Research Methodology, KitabMahal, Allahabad, 1987. 6) Gupta S P Statistical Methods Sultan Chand and Sons.

## *M.A. PART-I GEOGRAPHY CBCS SYLLABUS 2021-22* Discipline Specific Elective ( DSE )

#### SOCIAL- CULTURAL GEOGRAPHY

#### **Course Outcome:**

- 1. Discuss the basic elements of society and culture in geography.[2]
- 2. Assess the process social; change through modernization, sanskritization and globalization.[5]
- 3. Illustrate the theories of distribution of race and classify the racial groups along with physical characteristics.[3]
- 4. Compare and contrast social development and well-being. [4]
- 5. Identify the levels and indicators for measuring social well-being.[2]

| Unit<br>No. | Unit  | Unit Wise Weightage of<br>Marks (in %) |
|-------------|---|--|
| 1           | Introduction to Social and Cultural Geography | 15                                     |
| 2           | Socio-Cultural diversity of India             | 15                                     |
| 3           | Introduction to Culture and Race              | 15                                     |
| 4           | Social Development and Well being             | 15                                     |

## M. A. GEOGRAPHY

## **SOCIAL- CULTURAL GEOGRAPHY**

## SEMESTER:II COURSE CODE:PGGEO 204B, COURSE CREDITS:6

Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units    | Name of the Sub Topics  | No of<br>Lectures |  |
|----------|---|-------------------|--|
|          | Unit – I Introduction to Social and Cultural Geography  |                   |  |
| 1.1      | Definition, scope, and significance of Social and Cultural  |                   |  |
|          | Geography   | 15                |  |
| 1.2      | Society and culture as essential elements in geographical studies.  |                   |  |
|          | Unit- II Socio-Cultural diversity of India  |                   |  |
| 2.1      | Concept of Dialects and ethnicity   |                   |  |
| 2.2      | Distribution of Religion, Caste, Tribe, Language in India.  |                   |  |
| 2.3      | Concept of social areas, North-South  | 15                |  |
| 2.4      | Socio-Cultural diversity of India and Kinship pattern   |                   |  |
| 2.5      | Processes of Social changes: Modernization, Sanskritization and Globalization                               |                   |  |
|          | Unit – III Introduction to Culture and Race   |                   |  |
| 3.1      | Concept of culture, culture areas and culture regions, Cultural hearths and cultural diffusion,             | 15                |  |
| 3.2      | World Culture Realms. Concept of race   | 13                |  |
| 3.3      | Griffith Taylor and C. S. Coon's Theories of distribution of races of mankind in the world                  |                   |  |
| 3.4      | Basis of racial classification and their physical characteristics   |                   |  |
| 3.5      | Races of India  |                   |  |
|          | Unit – IV Social Development and Well being   |                   |  |
| 4.1      | Concept of social Justice and fair society, Equality and welfare  |                   |  |
| 4.2      | Social development and well-being.  |                   |  |
| 4.3      | Indicators for measurement  | 15                |  |
| 4.4      | Levels of well-being in India,  |                   |  |
| 4.5      | Spatial patterns of status of women in India  |                   |  |
| Yellow I | Highlighted Topic / Course is related to professional ethics, gender, human values, Envisual Sustainability | vironment &       |  |

#### **REFERENCES:**

- 1. Peet, R. (1998), Modern Geographical Thought, Blackwell
- 2. Peet, R. and Thrift, N. (eds.) (2002), New Models in Geography, UnwinHymann.
- 3. Barnes Trevor and Gregory Derek, (eds.) (1997): Reading Human Geography- The Poetic and Politics of Inquiry, Arnold, London.
- 4. Daniels Stephen and Lee Roger, (eds.) (1996): Exploring Human Geography- A Reader, Arnold, London.
- 5. Cloke, P. and Johnston, R., (eds.), (2005), Spaces of Geographical Thought, Deconstructing Human Geography"s Binaries, Sage.
- 6. Aitken, S and Valentine, G. (2006), Approaches to Human geography, Sage.
- 7. Johnston, R.J., Gregory D. Pratt G. and Watts M., (2005, 5th ed.), the Dictionary of Human Geography, Blackwell.
- 8. Kitchin R., Thrift, N, (eds.) (2009), The International Encyclopedia of Human Geography, Elsvier.
- 9. Dear J. Michael and Flusty Steven, (eds.) (2002): The Spaces of Post Modernity, Blackwell, Massachusetts.
- 10. Benko Georges and Strohmayer Ulf, (eds.) (2004): Human Geography- A History for the 21st Century, Arnold, London.
- 11. Atkinson, D., Jackson, P., Sibley, D. and Washbourne, N. (eds.) (2005), Cultural Geography, A Critical Geography of Key Concepts, Tauris, I.B.
- 12. Cloke, P., Crang, P., Goodwin, M., (2004), Envisioning Human Geographies, Arnold.
- 13. Cloke Paul, Crang Philip and Goodwin Mark, (eds.) (1999): Introducing Human Geographies, Arnold, London.
- 14. Banerjee-Guha, S. (2004), Space, Society and Geography, Rawat, New Delhi.

## **Skill-Enhancement Elective Course (SEC)**

### APPLIED COURSE OF TRAVEL & TOURISM

#### **Course Objectives:**

- 1. To develop basic framework to understand the various elements of tourism management.
- 2. To evaluate the role of transport in travel and tourism industry.
- 3. To develop the skills to arrange, manage and implement various types of tours.

#### **Course Outcome:**

- 1. Students will be able to perform online as well as offline booking and cancellation procedures for different available modes of travel and tourism.
- 2. Students will be able to acquire earning skills in tourism industry.

| Unit<br>No. | Unit  | Unit Wise Weightage of<br>Marks (in %) |
|-------------|---|--|
| 1           | Introduction to Social and Cultural Geography | 15                                     |
| 2           | Socio-Cultural diversity of India             | 15                                     |
| 3           | Introduction to Culture and Race              | 15                                     |
| 4           | Social Development and Well being             | 15                                     |

## M.A.- I GEOGRAPHY (SEMESTER- II)

## APPLIED COURSE OF TRAVEL & TOURISM

COURSE CODE: PGGEO205; COURSE CREDIT: 06

Teaching Hours 60 + Notional Hours 60 = Total hours 120

| Units     | Name of the sub Topics   | No of Lectures       |  |
|-----------|--|----------------------|--|
|           | Unit- I Introduction to Travel and Tourism   |                      |  |
| 1.1       | Basic concepts: Travel, Tourism, Tourist, Transport                                    | ]                    |  |
| 1.2       | Types of Tourist and Tourism   |                      |  |
| 1.3       | Types of transportation  | 15                   |  |
| 1.4       | Supporting Infrastructure: Transportation, Accommodation,                              | tion, Accommodation, |  |
|           | Communication facility, Security, Finance, Tourist Guide and                           |                      |  |
|           | Government Policy (Only short introduction)  |                      |  |
|           | Unit- II Local Tourism   |                      |  |
| 2.1       | Concept and need of local tourism  | 1.5                  |  |
| 2.2       | Introduction to local tourist places   | 15                   |  |
| 2.3       | Potential of local tourism and available infrastructure                                |                      |  |
|           | Unit- III Tour planning and Skill development  |                      |  |
| 3.1       | Basic skills: Communication, Time Management, Computer                                 | -                    |  |
|           | operating, online booking, Net banking, Cancellation of booking and                    |                      |  |
|           | ticket, etc.   |                      |  |
| 3.2       | Framing the tour plan (Itinerary): Budget (Costing), Duration, Insurance,              | 15                   |  |
|           | Route and other requirements for individual, family, group and mass                    | 13                   |  |
|           | level tours  |                      |  |
| 3.3       | Promotion of tourism   |                      |  |
| 3.4       | Plan for educational tour (long or short): Permission for tour, ticket                 |                      |  |
|           | booking, students concession and ticket cancellation, etc.                             |                      |  |
|           | Unit- IV Project work and Visit to tourist place                                       |                      |  |
| 4.1       | Itinerary design of short or long tour (local, state level and national                |                      |  |
|           | level: Cost, duration, requirements, booking processes for transportation              |                      |  |
|           | (Railway, Air and Road) and Accommodations (Youth hostel, Resort,                      |                      |  |
|           | Dormitory, Hotels, Service Apartments, etc.) and Insurance.                            |                      |  |
| 4.2       | International Tour Pre-planning: Need and types of passport and visa,                  | 15                   |  |
|           | documents required for passport and visa, other necessary documents                    |                      |  |
|           | required for International tours, International Date Line, Time                        |                      |  |
|           | difference, GMT and Indian Standard Time with help of internet                         |                      |  |
| 4.0       | sources.   | -                    |  |
| 4.3       | One short tour (Not more than two days duration) and Preparation of                    |                      |  |
| D1 11' 1  | tour report.   |                      |  |
| Blue High | alighted Topic / Course has focus on employability/ entrepreneurship/skill development |                      |  |

#### **Text Books:**

- 1. Bhatia. Tourism Development (New Delhi, Sterling)
- 2. Seth: Tourism Management (New Delhi, Sterling)
- 3. Kaul: Dynamics of Tourism (New Delhi, Sterling)
- 4. Mill and Morrison The Tourism system an Introductory Text (1992) Prentice Hall
- 5. Cooper, Fletcher, Tourism, Principles and practices (1993) Pitman
- 6. Burkart and Medlik Tourism, Past, Present and Future (1981) Heinemenn, ELBS.
- 7. P.S. Gill, Dynamices of Tourism (4 Vols) Anmol Publication.
- 8. P.C. Sinha, Tourism Management. Anmol Publication.

#### **References:**

- 1. Travel Industry: Chunky Gee et-al
- 2. Tourism Systems Mill and Morisson
- 3. Tourism Management Vol 4 P.C. Sinha
- 4. Tourism Development R. Gartner
- 5. Studies in Tourism Sagar Singh
- 6. Tourism: Principles and Practices Cooper C., Fletcher J., Gilbert D and Wanhil.
- 7. Tourism: Principles and Practices McIntosh, R.W.
- 8. Tourism: Past, Present and Future Burkart & Medli

## M. A. GEOGRAPHY PART- I SEMESTER- I AND II

(With effect from the academic year 2021-22)

### **EVALUATION PATTERN OF THEROY PAPERS**

#### **INTERNAL ASSESSMENT- 40 MARKS**

### Practical Examination will be conducted separately

| Evaluation type                                | Marks |
|--|-------|
| Internal Evaluation                            | 40    |
| a) Online Examination                          | 20    |
| b) Class Room Presentation                     | 10    |
| c) Field Visit and report writing              |       |
| d) Project Report                              |       |
| e) Attendance Seminar, Conference and workshop | 10    |
| f) Paper Presentation in Seminar &Conference   | 10    |
| g) Making Models (As per the syllabus)         |       |
| h) Free Online Courses                         |       |

#### **EXTERNAL ASSESSMENT- 60 MARKS**

- Duration 2 Hours for eachpaper.
- There shall be eight questions each of 15 marks on eachunit.
- All questions shall be compulsory with internal choice within thequestions.

| Questions | Sub. Question | Unit                | Marks |
|-----------|---------------|---------------------|-------|
| 1         | a) OR b)      | Based on Unit - I   | 15    |
| 2         | a) OR b)      | Based on Unit – II  | 15    |
| 3         | a) OR b)      | Based on Unit – III | 15    |
| 4         | a) OR b)      | Based on Unit – IV  | 15    |

## M. A. GEOGRAPHY PART- I SEMESTER-I AND II

(With effect from the academic year 2021-22)

### **EVALUATION PATTERN OF PRACTICAL PAPERS**

#### **INTERNAL ASSESSMENT- 40 MARKS**

### Practical Examination will be conducted separately

| Evaluation type                               | Marks |
|---|-------|
| Internal Evaluation                           | 40    |
| a) Class Test                                 | 20    |
| b) Problem Solving /Viva                      | 10    |
| c) Field Visit and reportwriting              |       |
| d) ProjectReport                              |       |
| e) Attendance Seminar, Conference andworkshop |       |
| f) Paper Presentation in Seminar & Conference | 10    |
| g) Making Models (As per thesyllabus)         |       |
| h) Free OnlineCourses                         |       |
| i) Assignments                                |       |

### **EXTERNAL ASSESSMENT- 60 MARKS**

- Duration 3 Hours for eachpaper.
- Each unit carries 15 marks.
- All questions shall be compulsory with internal choice within thequestions.
- External Examiner/s will be appointed from otheruniversity.

| Questions | Unit                | Marks |
|-----------|---------------------|-------|
| 1         | Based on Unit - I   | 15    |
| 2         | Based on Unit – II  | 15    |
| 3         | Based on Unit – III | 15    |
| 4         | Journal + Viva      | 15    |