



**MAHARAJA SURAJMAL BRIJ UNIVERSITY,  
BHARATPUR**

**SYLLABUS**

**M.A./M.SC. GEOGRAPHY**

**Semester System, NEP -2020**

**Semester I & II**

**2025-26**

## Instructions and Minimum Requirement for PG Degree

To qualify the course, a student is required to secure a minimum of 40% marks in aggregate including the End Semester Examination and Internal Evaluation. The student must obtain at least 4% marks in each paper of Odd Semester and Even Semester in End Semester Examination and Internal Evaluation separately to qualify the semester.

- **Academic Year:** Two consecutive (one odd and one even) semester will constitute one academic year.
- **Semester:** Each Semester shall consist of 4-6 weeks of academic work equivalent to 90 actual teaching days excluding admission and examinations days.
- **Summer Term:** A summer term is for eight weeks during summer break. Internship/apprenticeship/work-based vocational education and training can be carried out during the summer term.
- **Tutorial:** Component of a course which involves problem-solving, learning through discussions and remedial teaching related to the contents and periphery of a course with the direct involvement of a teacher.
- **Centric Courses:** The core courses are those courses whose knowledge is deemed essential for the students registered for a particular programmed of study. The core courses shall be mandatory for all the students registered for that particular programme.
- **Centric Core Courses:** The elective courses can be chosen from a pool of papers. The courses may - be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provide an extended scope.
  - offer an exposure to some other discipline/subject/domain
  - be aimed to nurture the candidate's proficiency/skill/values.

### These courses are intended to:

- Allow the student to specialize in one or more branches of the broad subject area;
- help the student to acquire knowledge and skills in a related area that may have applications in the broad subject area;
- help the student to bridge any gap in the curriculum and enable acquisition of essential skills (e.g. statistical, computational, language, communication skills, etc.); and
- help the student to pursue an area of interest.

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- The student may also choose additional elective courses offered by the University to enable him/her to acquire extra credits from the discipline, or across the discipline.
- **Inter disciplinary Elective Course (IEC):** A Inter disciplinary Elective Course is an option to explore disciplines of interest beyond the choices of learners made in their major disciplines. These courses are based on introductory knowledge in a subject other than the discipline of Major subjects to gain knowledge across the discipline.
- **Skill Enhancement Course (SEC):** These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge and should contain both theory and lab/hands-on/training/field work. The main purpose of these courses is to provide students life-skills in hands-on mode so as to increase their employability.
- **Value added Courses (VAC):** These courses aim at enabling the students to acquire and demonstrate the acquisition of knowledge and understanding of human values, Indian Traditional Knowledge System (IKS), contemporary India, digital and technical solutions, health and wellness, yoga education, sports and fitness, etc.
- **Seminar:** A course or a component of a course which makes students to learn a specific topic through in-depth exploration and analysis of facts about the topic in a set-up that involves presentation, interactive discussions and collaborative learning under the supervision of a teacher.
- **Internship:** A course requiring students to participate in professional employment-related activity or work experience or co-operative education activity with an entity external to the educational institution normally under the supervision of an employee of an organization or an individual professional. A key aspect of the internship is induction into actual, formal and organized work situations. Internship involves working with local industry (Government or provide Private Organizations), business establishments, artists, craft persons, etc. to opportunities for students to actively engage in on-site experiential learning.
- **Field Work/Practice/Survey/Project:** A course or a component of course which enables students to participate in field-based learning/project, involving application of knowledge in solving/analyzing/exploring a real-life situation/difficult problem under the supervision of a teacher/mentor.
- **Geographical camp / village field survey camp** is to be organized for a period of about **07 days in a selected area at least 25 km away** from the institution. The students shall conduct a field survey pertaining to physical feature, socio-economic



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aspects. On the basis of the observation the students shall prepare a field report with sketches and photographs.

- **Credit Point:** It is the product of the grade point and the number of credits for a course.
- **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.
- **Credit:** A unit by which the course work is measured. A credit defines the quantum of contents/syllabus prescribed for a course and determines the number of hours of instruction required per week. Thus, in each course, credits are assigned on the basis of the number of lectures/tutorials/laboratory work/field work and other forms of learning required for completing the contents in 15- week schedule. Two hours of laboratory work/field work etc. is generally considered equivalent to 1 hour of lecture.

**1 Credit = 1 Theory/Tutorial period of one-hour duration, or**

**In case of practical, 1 Credit = 1 Practical period of two-hour duration**

  
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## M.A./M.SC. GEOGRAPHY

### *First Semester*

Sr. No.	Sub Code	Course Title	Course Type	Course Category	Credit	Hours per Hours
1	Geo 10101-T	Evolution of Geographical Thought (up to 1800 Ad)	MJR	CC	4	4
2	Geo 10102-T	Structural and Dynamic Basis of Geomorphology	MJR	CC	4	4
3	Geo 10103-P	Practical	MJR	CC	4	8
4	<b>Centric Core Elective Paper - I</b>		MJR	CE	4	4
	Geo 10104-T	Principles And Theory of Economic Geography				
	Geo 10105-T	Geography of Rural Development				
	Geo 10106-T	Population Geography				
5	<b>Centric Core Elective Paper - II</b>		MJR	CE	4	4
	Geo 10107-T	Quantitative Techniques in Geography				
	Geo 10108-T	Men and Natural Environment				
	Geo 10109-T	Advance Geography of Monsoon Asia				
6	SEC 10110-T	<b>Skill Enhancement Course (One from Pool Provided by University)</b>	MJR/ MINOR	SEC	4	4
<b>TOTAL CREDIT</b>					<b>24</b>	

➤ CCP: Centric Core Paper



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- CCEP: Centric Core Elective Paper
- SEC: Skill Enhancement Course

**Note:**

- Internal assessment will be as per University Norms for regular students and NC students do not require internal assessment.
- The Internal assessment is worth a total of 20 marks.
- The Semester Examination question paper will be three hours.
- The question paper will consist of a total of **eight questions, two from each of the four units.**
- Students are required to attempt **five (5)** descriptive/essay types question out of a total of eight question and it is mandatory to attempt one question from each unit.
- The written examination for regular students will be of 80 marks while NC students will be of a total of 100 marks.

## SEMESTER-I

### PAPER CODE: Geo 10107: EVOLUTION OF GEOGRAPHICAL THOUGHT (UP TO 1800 AD)

#### Unit - I

Definition, philosophy, scope and nature of geography. Contribution of Greek scholars (Herodotus and Eratosthenes) and Roman scholars (Strabo and Ptolemy). Nature of geographical thought in ancient India.

#### Unit - II

Definition of Dark age and its Objectives and Relevance. Implication of Dark age in geography. Contributions of Bardox's travels information and Cosmas Indicopleustes (Christian Topography) in Dark age. Development and nature of geography during Early medieval period (Pomponiums Mela).

#### Unit - III

The main causes for the development of geographical thought during Arabic period. Contributions of Arab scholars: Ibn-Sina, Ibn-Khaldun, Al-Masudi, Al-Biruni, Al-Idrisi and Ibn-Battuta

  
प्रमारी अकादमिक प्रथम

## Unit - IV

Period of reformation in geography. Impact of renaissance on geography: Age of discovery and explorations of geography; Marco polo, Christopher Columbus, Vasco de Gama, Sebastian Munster, Phillp Cluverious, Bernhard Varenius and Immanuel Kant

### Books Recommended: -

- Adhikari, S 2009: Fundamentals of geographical Thought, Chaitanya Publishing House Allahabad  
बंसल, सुरेश चन्द 2008: भौगोलिक चिन्तन के मूल तत्व । मीनाक्षी प्रकाशन, मेरठ।  
Dickinson, R.E.1967. The Markers of Modem geography. Routledge & Kegan PAUul Limited London  
Dear, MJ and Flusty, S.(ed.) 2002: The spaces of post modernity: Readings in Human Geography Blackwell publishers Ltd, oxford  
Dikshit, R.D.2004. Geographical Thought. A critical History of ideas, prentice-Hall of India, New Delhitin English and Hindi ).  
जैन एस.एस. 2005: भौगोलिक चिन्तन एवं विधि तंत्र साहित्य भवन पब्लिकेशन, आगरा।  
Hartshone, R 1987 Perspective on the nature of geography, scientific publishers, jodhpur (copyright 1959 by the ssociation of American)  
Holl- jensen A. 1988: geography: History and concepts -A student guide sage, Los Angeles (Fourth Edition) Jame, P.E.: All possible worlds 1972: A History of Geographical Ideas: Odessey press. 622 pages Johnston R Gregory D. Pratt G Watts M. and Whatmore S. (2003): The Dictionary of human geography Black wily Publishers, oxford. 5th Edition.  
कौशिक एस.डी. 2005-06: भौगोलिक विचारधाराएं एवं विधि तंत्र । रस्तोगी पब्लिकेशन मेरठ, आठवा संस्करण पुनर्मुद्रित।  
मौर्य एस.डी. 2007: भौगोलिक चिन्तन का इतिहास । प्रयाग पुस्तक भवन इलाहाबाद ।  
Majid H. 2004. Evolution ofn geographical Thought. Rawat Publications. jaipur (Reprinted 2007 Revised & Enlarged).  
सक्सेना, एल.के. व तिवारी, ए.के. 2003, भौगोलिक चिन्तन । राजस्थान हिन्दी ग्रन्थ अकादमी जयपुर।

## PAPER CODE: 20101027: STRUCTURAL AND DYNAMIC BASIS OF GEOMORPHOLOGY

### Unit - I

Definition and scope of geomorphology. Concepts of geomorphology and development of modern geomorphology. Morphometry and Geological Time Scale. Constitution of the earth's Interior. Origin of the continents and ocean. Development of the Isostasy Concept and theories; Views of Sir George Airy, Archdeacon Pratt, Hayford and Bowie, jolly and Arthur Holmes.

### Unit - II

Forces affecting the Earth's crust. Earth movements: Endogenetic force – Diastrophic force and sudden endogenetic force, Epeirogenetic and orogenic force. Vulcanicity and topographic

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expressions. Theories of mountain building as; Harold Jeffrey, Leopold Kober, J. Joly, Reginald Daly, Arthur Holmes, Continental Drift Theory and Plate Tectonics Theory.

### Unit - III

Exogenetic force: Denudation concept and processes; weathering and erosion. The concept of cycle of erosion and dynamic equilibrium theory as- William Morris Davis, Walther Penck and L.C. King and mass movements erosion. Elements and approaches of slope analysis views of W.M. Devis W. Penk, L.C. King A. Wood and A.H. Strahler.

### Unit - IV

Morphometric analysis of Drainage basin- Stream Oder, Stream Density and Drainage pattern. Geomorphic processes, erosional and depositional landforms- fluvial, glacial and fluvio-glacial, Aeolian, Groundwater, Karst, Coastal and Periglacial landscape. Definition and scope of applied geomorphology. Application of geomorphology in regional planning, engineering project, hydrology and minerals exploration.

#### Books Recommended: -

- Chorley, R.J. 1992: spatial Analysis in geomorphology. Methuen, London.
- Cooke, R.U. and Doornik, J.C. (1974): geomorphology in Environmental Management - A introduction. clarendon press, Oxford
- Dury, G.H., 1959: The Face of earth. penguin Harmondsworth.
- Fairbridge, R.W. 1986: Encyclopedia of geomorphology. Reinholdts, New York.
- Gamer.H.F.1974: the origin of landscape-A synthesis of geomorphology. Oxford university press London
- Goudie, A. 1993: the nature of environment Oxford &Blackwell, London.
- Mitchell, C.W.1973 Terrain evaluation. Longman, London.
- Ollier, C.D. 1979: weathering Longman, London.
- Pity, A.F. 1971: introduction to geomorphology. Methuen, London.
- प्रदारा, गायत्री 2004: भू-आकृति विज्ञान । शारदा पुस्तक भवन, इलाहाबाद ।
- Sparks. 1960: Geomorphology. Longman London.
- Sharma, H.S. (ed) 1980 perspectives in geomorphology. concept publishing company New Delhi (VOL 1 to 4).
- Skinner, B.J. & Porter, S.C. 1995: The dynamic earth john Wiley, New York.
- Stoddart, D.R. (ed)1996: process and Form in Geomorphology. Routledge. New York.
- Singh, S. 1998. Geomorphology, Prayag publication, Allahabad
- Spark, B.W. 2004: Geomorphology, Longmans, London
- Thornbury, W.D. 1960: principles of geomorphology John Wiley, New York
- Young. A. 1972: Slopes. Longmans, London.

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धर्म

PAPER CODE: GE010123 P: PRACTICAL

Minimum Marks: 40

Max. Mark 100

Duration- 4 Hours

Pattern of Examination	Bifurcation of Marks		Time
	Regular	N/C	
Written Test	40	60	2Hours
Record work and viva-voce	7+3	14+6	1Hours
Field survey and viva-voce	7+3	14+6	1Hours
Internal Assessment	20	-	-

\*Note- There will be six questions (*one* questions from each unit) in written paper out of which student have to compulsory attempt *Four* questions selecting at least one question from each unit all question carries equal marks. Examination be conducted in batches of not more than 20 candidates in any case. For NC students 28 hours for teaching practical be provided for a batch of 20 students per week.

**Unit-I**

Elementary trigonometry, meaning of map projection and classification of map projections and their necessity of map projection.

Conical projection (mathematical method) –

- one standard parallel
- two standard parallel
- Bonne's projection
- Polyconic projection

**Unit-II**

Cylindrical projection (mathematical method) –

- Perspective cylindrical projection
- Cylindrical equidistant projection

प्रभासी अकादमिक

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- Cylindrical equal-area projection
- Cylindrical orthomorphic projection or Mercator's projection
- Gall's stereographic projection

### Unit-III

Zenithal projection (mathematical method) –

- Zenithal equidistance projection (polar and equatorial projection)
- Zenithal equal area projection (polar and equatorial projection)
- Gnomonic projection (polar and equatorial projection)
- Gnomonic oblique zenithal projection
- Stereographic projection (polar zenithal and equatorial projection)
- Orthographic projection (polar zenithal and equatorial projection)
- Convection projections (Globular, sinusoidal and Mollweide's projection)

### Unit-IV

Chain and Tape surveying

- Instruments required for chain and tape surveying
- Method of chain and tape surveying
- Obstacles to chaining.

### Books Recommended: -

चौहान, पी.आर. 2005: प्रयोगात्मक भूगोल । वसुन्धरा प्रकाशन, गोरखपुर ।

Dickinson, G.C.1973: Statistical mapping and statistics London.

Khullar S.R. 2000: Essentials of practical geography. New Academic publishing Co. Jalandhar.

Robinson A. H.et al. 2004: Elements of cartography. John Wiley & Sons, Inc., New York.

Rampal k.k.1993: Mapping and compilation: Method and Techniques. concept publishing company, New Delhi.

शर्मा, जे.पी. 2010-11: प्रयोगात्मक भूगोल की रूपरेखा । रस्तोगी पब्लिकेशन, मेरठ।

Singh, R.L. and Singh, R.P.B. 1991: Elements of practical geography. Kalyani publishers. New Delhi.

तिवारी, आर.सी. एवं सुधाकर, त्रिपाठी 2009: प्रयोगात्मक भूगोल । प्रयाग पुस्तक भवन, इलाहाबाद ।



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PAPER CODE: 620-10647: **PRINCIPLES AND THEORY OF  
ECONOMIC GEOGRAPHY**

**Unit-I**

Definition, nature, scope and approaches of economic geography. Fundamental concepts of economic geography and recent trends of economic geography. Its relation with allied subjects and overview of sectors of economy.

**Unit-II**

Discussion of the resource concepts in economic geography. Man, and Environment relationship. Classification of economic activities and factors affecting the primary, secondary, tertiary, and quaternary economic activities. Major economic regions of the world.

**Unit-III**

Relationship of population and economic geography. Agricultural types and pattern in the world. Theories of agricultural location and special reference to Johann Heinrich Von Thunen's agricultural land use (also called location theory/model). Agricultural production as cereals, beverages, industrial crops, cane and beet sugar. Agricultural region of the World. Introduction of minerals in economic geography. Types of minerals as metallic (ferrous and non-ferrous) and non-metallic in the world. Energy resources (coal, petroleum, natural gas, nuclear power and hydropower). Concepts of non-conventional energy.

**Unit-IV**

Manufacturing industries classification and its locational theories- Alfred Weber's least cost location theory, theory of market area by August Losch, Walter Isard's theory of substitution analysis and D.M. Smith's spatial margins of profitability theory. Major manufacturing industries as iron and steel industry, textile industry, chemical industry and engineering industry. Industrial region of the world. Means of transportation and communication and international trade. Economic development and regionalization in the world.

**Books Recommended: -**

Alexander, J.W. 2001: Economic Geography. Prentice Hall of India, New Delhi  
Bengston, N.A. and Rayen, M.V.: Fundamentals of Economic Orography. (Prentice Hall New York).

Bush, H.: A Geography of World Economy.

Chapman, K and Walker, D. 1991: Industrial Location: Principles and Policies... Blackwell Oxford.

Grigg, D. 1995; An Introduction to Agricultural Geography. Second edition, Routledge, London.

James, O. W. and Peter, O. M. 1986: Economic Geography. John Wiley and Sons, New York.

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- Jarret, H. R. 1977: A Geography of Manufacturing. Trans-Atlantic Publishers, London.
- Leung, G.C. and Morgan, G.C. 1982: Human and Economic Geography. Oxford University Press, London.
- Lloyd, P.E. and Dicken, P, 1977; Location in Space: A Theoretical Approach to Economic Geography. Harper & Row, Publishers, London,
- Mandal, R. B. 1982: Land Utilization - Theory and Practice. Concept Publishing Company, New Delhi
- Prasad, Rarna 2007: कृषि पारिस्थितिकी एवं नियोजन। सधा प्रकाशन, नई दिल्ली।
- Scott, A. J. 1988: New Industrial Spaces. Pion, London.
- Shafi, M. 2000. Agricultural Geography of South Asia, Macmillan, New Delhi.
- Singh J. and Dhillon, S.S. 2004: Agricultural Geography Tata Mc-Graw-Hill, New Deltu.
- Singh, Kashi Nath and Siddiqui, A.R. 2012: Economic Geography, Prayag Pustak Bhawan, Allahabad.
- Smith, D. M. 1981: Industrial Location - An Economic Geographical Analysis. John Wiley. New York.
- Wheeler, J.O. and Muller, O.P. 1995: Economic Geography. John Wiley, New York.

**PAPER CODE: CODE: 620-10105 7: GEOGRAPHY OF RURAL DEVELOPMENT**

**Unit-I**

Definition, Concepts, scopes and importance of rural development geography. Paradigms of rural development geography. Rural development aspects as; agriculturaf and rural development, rural land use; agriculture pastoral, forestry and land use competition. Land use and landscape. Approaches to rural development, growth Centre approach Infrastructure reformist.

**Unit-II**

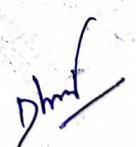
Rural settlement, housing, population and employment rural transport, service provision, derivation, recreation; health and nutrition. Rural planning and land management; resource development and Integrated rural development: crop and soil management, livestock range and management- water management, ecological management:

**Unit-III**

Integrated rural development planning special references to India. Problems in rural development. Rural development program in India as IRDP, Panchayati Raj, Swaranjayanti Gram Swarojgar Yojana, PM Awas yojana.

**Unit-IV**

  
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Rural development in Rajasthan; rural development program as irrigation and land development program, Drought Prone Areas Program (DPAP), Desert Development Program (DDP), Integrated Rural Development Program (IRDP) in Rajasthan. Tribal Areas Development (TSP) and wasteland development program.

### **Books Recommended-**

- Glig, A.W. 1985: An Introduction to Rural Geography. Arnold London. Association of Country Councils 1979: Rural Deprivation, London ACC.
- Allan, J.A. 1980: Remote Sensing in Land in Land use Studies, Geography 65.
- Tiwari, A.K. (ed.) 1988: Desertification: Monitoring and Control, Scientific Pubs, Jodhpur.
- Anderson, J.R.L.J. 1977: Hardrada-Agricultural Decision Analysis, Ames, Iowa State University Press.
- Andreson, B. 1981: Farming Development and Space-World Agricultural Geography, New York: Water Cryter.
- Morgan, W.D. and RJA 1971: Munon-Agricultural Geography. London Methuen.
- Padone, M. 1981: Rural Geography London, Parpur Clark, (ed) and Row 1904-Register of Research in Rural Geography Leicester: Rural Geography Study Group.
- Bowler, I.R. 1948: Agricultural Geography-Progress in Human Geography.
- Newbury, Pa. 1980: Geography of Agriculture-Plymouth Macdonald and Evans.
- Grigg, D.B. 1974: The Agricultural Systems of the world, Cambridge University Press. Grigg, D.B. 1984: An Introduction to Agricultural Geography, London Hutchinson. Jones, A. 1975: Rural Housing. The Agricultural Ted College, London Bell.
- Lassey, W.R. 1977: Planning in Rural Environment, New York, McGraw Hill. Lavery, P. (ed.) 1974: Recreational Geography, Newton Abbot; David and Charles. Leasdale, R. 1981: Settlement systems in sparsely populated regions & Homes (ed.) and Oxford, Pergamon.
- Menab, A. 1984: Integrated Rural Development, Gloucester Glaeser College of Arts.

## **PAPER CODE: ~~100-10106-7~~: POPULATION GEOGRAPHY**

### **Unit-I**

Definition, nature and scope of population geography. Population geography and contemporary spatial demographical interdisciplinary study. Theories of population growth; Pre-Malthus views, Malthus' theory, Marxist theory, Optimum population theory, demographic transition model.

### **Unit-II**

World population distribution pattern, growth, density, sex-ratio, literacy age- group and its problems. Growth trends and determinants. Major Human agglomerations. Challenges and future direction of population activities in the world.

### **Unit-III**

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Migration history, theories, trends and patterns of International and Internal. Theories of world migration Population dynamics; fertility and mortality measurement, determinants and distribution. the world population composition and characteristics. World population Urbanization trend pattern and challenges of the world population.

#### Unit-IV

Population characteristics and relationship with development in India. Population control movement and policies of India. Urbanization and population explosion; post-independence development-reproductive and child health program, contemporary issues- ageing of population; declining sex ratio; HIV/AIDS.

#### Books Recommended-

- Bhende, Asha, A. and Kantar, 2002: Principles of Population Studies. 14th Edition, Himalaya Publishing House, Mumbai
- Chandna, R.C. 2013: Population Geography, Kalyani Publishers, Delhi, Chandna, R.C. 2006: Jansankhya Bhugol. Kalyani Publishers, Delhi.
- Gambler, J.B. 1970: Geography of Population, Longman, U.K.
- Hassan, M.I. 2005: Population Geography. Rawat Publication, Jaipur,
- Kundu, A. Lopamudra, R.S. 2012; Migration and Exclusionary Urbanization, Ip India. Economic & Political Weekly, XLVII (26/27): 219-227.
- Kundu, A. 2006: Trends & patterns of urbanization and their economic implications. India Publications, London.
- Newbold, K.B. 2010: Population Geography. Tools and Issues. Rowman & Littlefield Corporation, New Delhi.
- Premi, M.K. 1991: India's Population Heading Towards a Billion. D.R. Publishing Corporation, New Delhi.
- Rural Urban Dynamics and the Millennium Development Goals 2013: Global Monitoring Report
- Woods, R. 1997: Theoretical Population Geography. Longman, U.K.
- Weeks, J.R. 1908: Population: An Introduction to Concepts and Issues. Springer, Wadsworth.
- [www.un.org/esa/population/publications/worldageing19502050/](http://www.un.org/esa/population/publications/worldageing19502050/)
- [www.who.int/ageing/en/](http://www.who.int/ageing/en/)
- [India.unfpa.org/drive/NationalPopulation-Polcy2000.pdf](http://India.unfpa.org/drive/NationalPopulation-Polcy2000.pdf)
- UNAIDS Report on Global AIDS Epidemic, 2010

### PAPER CODE: Geo-10107-7: QUANTITATIVE TECHNIQUES IN GEOGRAPHY

#### Unit-I

Signification and utilization of quantitative methods in geography. Graphical presentation of data; Histogram, Polygon, Cumulative frequency curve (Ogive). Measures of central tendency- Mean, Mode, Median, Quartiles.

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## **Unit-II**

Measures of dispersion/deviation; Mean deviation, standard deviation, variance and Coefficient of variation. Deviation from normality; Skewness and Kurtosis. Ginni coefficient of concentration and Lorenz curve. Correlation- Karl Pearson coefficient method and Spearman's, Rank correlation. Method of fitting a regression line interpolation and Factor analysis.

## **Unit-III**

Definition, importance, and application of Normal Probability as Computing Z-Scores, extrapolation probability. Basic concepts and methods of Sampling Distribution.

## **Unit-IV**

Definition, Steps and types of Hypotheses. Hypothesis testing. Tests of statistical significance; T-test, F-test, Chi-Square test. Analysis of variance.

### **Books Recommended-**

Gupta, S.P. 1979: Statistical Methods. Sultan Chand & Sons, New Delhi

Mahmood, A. 1998: Statistical Methods in Geographical Studies. Rajesh Publication, New Delhi.

Nagar, K.N. 1992: Sankhiki ke Mool Tatva. Meenakshi Prakashan, Meerut.

Umwin, D. 1981: Introductory spatial Analysis. Methuen, London.

Geogory, S. 1978: Statistical Methods and Geographer. Longman, London.

Hammond R. and McCullagh, P.S.1974: Quantitative techniques in Geography: An Introduction. Clearendan Press, Oxford.

John, P. Cole and Cuchlanle, A.M. King 1968: Quantitative Geography, John Willy, London.

Johnston, R.J. 1973: Multivariate Statistical Analysis in geography. Longman London.

Kautsoniannis 1973: Theory of Econometrics. Mcmillan, London.

Maurice Yeats 1974: An Introduction to quantitave Analysis in Human Geography. McGraw Hill, New York.

Peter Haggett, Andrew D. Cliff & Allan Frey 1977: Location Methods. Vol. I and II. Edward Arnold, London.

**PAPER CODE: 200-10108-T: MEN AND NATURAL ENVIRONMENT**

**Unit-I**

Definition and scope of environmental geography, Its relation with other subjects. Elements of the environment geography. Men and environmental relationships- Environmental Determinism, Possibilism and Neo-Determinism.

**Unit-II**

Biosphere and its components. Concept of Ecology and ecological succession. Definition and types of ecosystems. Energy flow in the ecosystem, soil system, geo- biochemical cycle. Meaning of major biomass and regions of major biomes in the world.

**Unit-III**

Environmental degradation and natural disasters. Environmental crises- Ozone depletion, Greenhouse gas effects, Global warming and climate change, El-Nino, acid rain, sea level change, desertification. Environmental pollutions- water pollution, air pollution, soil pollution, noise pollution and radio-active pollution.

**Unit-IV**

Environmental conservation and management. Sustainable development, soil and forest resources management, water management. wildlife conservation, biodiversity and its conservation. Environmental awareness and education. International efforts of environmental conservation.

**Books Recommended: -**

- Agarwal, A. and Narain, S. 1977: Dying Wisdom: Rise, Fall and Potential of Indian's Traditional Water Harvesting System. Centre for Science and Environment, New Delhi.
- Economic and social commission for Asia and the Pacific United Nations 1989 Guidelines for the preparation of National Master Water Plans.
- Govt. of India, 1980: Ministry of Energy and Irrigation. Rashtriya Bach Ayog (Repent-National Commission of Floods. Vol. I & II, New Delhi).

  
प्रभारी अकादमिक प्रथम



- Govt. of India, 1972: Ministry of Agriculture Report of the Irrigation Commission. Vol 1 & IV, New Delhi).
- Gulati, N.D. 1972: Development of Inter-State Rivers: Law and Practice In India. Allied Pub., Bombay.
- International Water Resource Association and Central Board of Irrigation & Power, Water of Human Needs, 1975: Vols. I to V Proceedings of the Second World Congress on Water Resources, 12-16 December, New Delhi.
- Jones, J.A. 1997: Global Hydrology: Processes, Resources and Environmental Management. Longman.
- Kates, R.W. and Burton, I. (ed.) 1980: Geography, Resource and Environment Management, Oluwa.
- Kurilla, John V. and Eckstein, O. 1958: Multiple Purpose River Development: Studies in Applied Economic Analysis. John Hopkin's Press, Boston.
- Law, B.C. (ed.) 1968: Mountains and Rivers of India IGU. National Committee for Ciengraphy, Calcutta.
- Matter, J.R., 1984: Water Resources Distribution. Use and Management. John Wiley, Marylane.
- Michael, A.M. 1978: Irrigation: Theory and Practices. Vikas Publishing House pct., New Delhi.
- Newson, M. 1992: Land, Water and Development River Dusin systems and their Sustainable Management. Routledge, London.
- Pareira, H.D. 1973: Land use and Water Resources. Cambridge University Press, Cambridge
- Rao, K.L. 1979: India's Water Wealth, Orient Longman, New Delhi. सिंह, जगदीश 2003: पर्यावरण एवं संविकास। ज्ञानोदय प्रकाशन, गोरखपुर।
- शर्मा, पी.डी. 2009: पारिस्थितिकी एवं पर्यावरण। रस्तोगी पब्लिकेशन, गेरठ।
- Singh, R.A. and Singh, S.R. 1979: Water Management: Principles and Practices. Tara Publication, Varanasi.
- Singh, Savindra 2006: Environmental Geography. Prayag Pustak Bhawan, Allahabad.
- Smith, K. 1972: Water In Britain. A Study in Applied Hydrology and Resource Geography. McMillan, London.
- श्रीवास्तव, पी.के. एवं राय, सी.पी. 2002: पर्यावरण और पारिस्थितिकी। पशुचय प्रकाशन, गोरखपुर।
- Tideman, E.M. 1996: Watershed Management. Guidelines for Indian Conditions, Omega, New Delhi.
- Tebbutt, T.H.Y. (ed.) 1983: Advances in Water Engineering. Elsevier Applied Science Pub., London.
- Todd, D.K. 1959: Ground Water Hydrology. John Wiley, New York.
- U.S.D.A. 1955: The Year Book of Agriculture: Water. Oxford and L.B.M. Publishing Company, New Delhi.
- Verghese, B.G. 1990: Water of Hope: Integrated Water Resource Development and Regional Co-operation within the Himalayan-Ganga. Bralimaputra-Burak Basin, Oxford IDH, New

Delhi.

White, G.F.L. 1977; Environmental Effects of Complex River Development. Westriver Press, Boulder, Colorado.

**PAPER CODE: Geo-10/09-7: ADVANCED GEOGRAPHY OF MONSOON**

**ASIA**

**Unit-I**

Unity in Diversity in monsoon Asia, importance of location, physiographic, drainage basins, climate and climate regions, natural vegetation, mineral wealth.

**Unit-II**

Population and its characteristics, importance of Monsoon land with respect of food stuffs and raw materials, natural rubber land with respect to good stuffs and raw materials, natural rubber and its world trade.

**Unit-III**

Singapore- problems of industrial expansion port development human resource. Philippines - population and food problem and development Programs. Thailand- Problem of Urbanization and regional division and development programs. Indonesia - population densities and its trends, types of Agriculture. Burma - regional divisions. agricultural, forest and mineral resource. Hong Kong - urban growth, changing trade pattern, changing land use pattern. Korea - agricultural development.

**Unit-IV**

China state farms and people commune, population and food supply industrialization, changing pattern of industrial complex. Red Basin, Hwango Ho, Yagize Kiang and Sikiang Basins. Japan - Coal resources, water power, forest, fishing industry, motor vehicle steel and industries, industrial belts.

**Books Recommended: -**

Hussain, M, 2004: World Geography. Rawat Publication, Jaipur.

Johnson, D.L. et al 2012: World Regional Geography: A Development Approach. PHI Learning Pvt. Ltd., New Delhi.

समोरिया एवं अग्रवाल 2012: एशिया का भूगोल । साहित्य भवन, आगरा ।

राव, बी पी. एवं सतपथी, डी पी. 2002: एशिया की भौगोलिक समीक्षा । वसुन्धरा प्रकाशन, गोरखपुर।

Shafi, M. 2000: Agricultural Geography of Asia. Macmillan, Delhi.

सक्सेना, एच.एम. 2010-11: विश्व का प्रादेशिक भूगोल । रस्तोगी पब्लिकेशन्स, मेरठ।



Tikkha, R.N. 1997: World Regional Geography. New Academic Publishing Company, Jalandhar.

Wadia, D.N.1919: Geology of India. Longman, London.

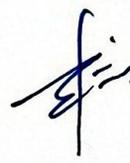
**Geo SEC – Pool of Papers and Syllabus will be provided by the University Separately.**

## M.A./M.SC. GEOGRAPHY

### Second Semester

Sr. No.	Sub Code	Course Title	Course Type	Course Category	Credit	Hours per Hours
1	Geo 10201-T	Modern and contemporary Geographical thought (19 <sup>th</sup> century onwards)	MJR	CC	4	4
2	Geo 10202-T	Principles of Climatology	MJR	CC	4	4
3	Geo 10203-P	Practical	MJR	CC	4	8
4	<b>Centric Core Elective Paper - I</b>		MJR	CE	4	4
	Geo 10204-T	Geography of Rural Settlements				
	Geo 10205-T	Bio Geography				
	Geo 10206-T	Resources Geography				

  
प्रभासी अकादमिक प्रथम

	Geo 10207-T	Geography of Tourism and Recreation				
5	IRM	Introduction to Research Methodology	MJR	CC	4	4
6	IEC	Interdisciplinary Elective Course (chose from the pool provided by the University)	MINOR	IEC	4	4
<b>TOTAL CREDIT</b>					<b>24</b>	

- CCP: Centric Core Paper
- CCEP: Centric Core Elective Paper
- IEC: Inter Disciplinary Elective Course

**Note:**

- Internal assessment will be as per University Norms for regular students and NC students do not require internal assessment.
- The Internal assessment is worth a total of 20 marks.
- The Semester Examination question paper will be three hours.
- The question paper will consist of a total of **eight questions, two from each of the four units.**
- Students are required to attempt **five (5)** descriptive/essay types question out of a total of eight question and it is mandatory to attempt one question from each unit.
- The written examination for regular students will be of 80 marks while NC students will be of a total of 100 marks.
- Geographical camp / village field survey camp is to be organized for a period of about 07 days in a selected area at least 25 km away from the institution. The students shall conduct a field survey pertaining to physical feature, socio-economic aspects. On the basis of the observation the students shall prepare a field report with sketches and photographs.

  
प्रभासी अकादमिक प्रथम

## II SEMESTER

GEO-10201-T

PAPER CODE: : MODERN AND CONTEMPORARY

### GEOGRAPHICAL THOUGHT

(19<sup>TH</sup> CENTURY ONWARDS)

#### Unit-I

Geographical Classical period in modern geographical thought. Impact of Darwinism on Geographical thoughts. Germann school: Contribution of Alexander Von Humboldt, Carl Ritter, Oscar Peschel, F.V. Richthofen, Friedrich Ratzel, Alfred Hettner, Albrecht Penck.

#### Unit-II

French school: Contribution of Phillippe Buache, Vidal de la Blache, Jean. Brunhes, Elisee Reclus, Emmanuel de Martonne, Albert Demangion. British school: Contribution of Halford J. Mackinder, and Dudley Stamp. Russian scholars during the 19 centuries (Lomonosove and Anuchine) focus on geography as a science of Chorology and landscape morphology.

#### Unit-III

Rise of Anglo-American School of geography: Contribution of Carl O Sauer, E.C. Semple, E. Huntington and R. Hartshorne. Implications of geography as spatial science, relationship between geography, economies and planning (regional science) prodigies and revolutions: quantitative revolution, behavioralism, radical geography, approaches of integrated geography and modern synthesis.

#### Unit-IV

Philosophical pluralism in modern geographical thought: Empiricism, positivism, humanistic geography (idealism, phenomenologist and existentialism) and structuralism. Post-modernism and various paradigms schools of geographical thought. During post-modern period and dualism in geography: physical and human geography, systematic and regional genopathy environmentalism and possibilism, qualitative and quantitative, idiographic and nomothetic

#### Books Recommended-

CSA  
प्रभारो अकादमिक म.

Dear, M.J. and Fluty, S. (ed.) 2002: The spaces of Post modernity: Readings in Human Geography. Blackwell Publishers Ltd., Oxford.

Dikshit, R. D. 2004: Geographical Thought. A Critical History of Ideas. Prentice-Hall of India Private Limited, New Delhi.

Dot, R. D. 2002: Geographic Thought: A Spectrum of Compilation to Coherence. University Book House (Pvt.) Ltd., Jaipur,

Dikshit, R. D. 1994 (ed.): The Art and Science of Geography-Integrated Readings. Prentice-Hall of India Private Limited, New Delhi.

Haggett, P. 2001: Geography: A Global Synthesis. Prentice-Hall Pearson Educational, New York.

Hartshorne, R. 1987; Perspective on the Nature of Geography. Scientific Publishers, Jodhpur (Copyright 1959 by the Association of American Geographers.

Holt-Jensen, A. 2009: Geography: History and Concepts - A Student's Guide, SAGE, Los Angeles, London.

Haggett, P. 1983: Geology: A Modern Synthesis. Harper and Row, New York..

Harvey, D. 1969: Explanation in Geography. Arnold, London.

जैन. एस. एम. 2003: भौगोलिक चिन्मान एवं विधि तंत्र साक्षिय भवन पब्लिकेशन्स, आगया।

Johnston, R. J. and Sidway, J. D. 2004: Geography and Geographers. Arnold, London.

Johnston, R, Gregory D, Pratt G, Waits M. and W. Mogo S. (2003): The Dictionary of Human Geography. Blackwell Publishers, Oxford.

Johnston, R.J. 1985: The Future of Geography. Methuen and Company Ltd., New York.

Minca, C. 2001 (ed): Post modern Geography, Blackwell Publishers Ltd, Oxford.

Peet, R. 2003: Rethinking Geography, Rawat Publishers, Jaipur.

Peet, R. 1998: Modern Geographical Thought. Blackwell Publishers Ltd, Oxford.

Suja, E. (1989): Post-modern Geographical. Verso Press, London. Reprinted 1997: Rawat Publications, Jaipur and New Delhi.

Taylor, G 1960: Geography in the Twenty Century. Methuen & Co. Ltd. London,

PAPER CODE: GEO-20202-7

## PRINCIPLES OF CLIMATOLOGY

  
प्रभारी अकादमिक प्रथम

Unit-I

  
Dhruv

Nature and scope of climatology and its relationship with meteorology. Composition and layered structure of atmosphere. Isolation: Energy balance of the Earth and heat-balance of the earth.

### Unit-II

Distribution of temperature in the world: Temporal, vertical and horizontal. Atmospheric Equilibrium: stability and instability, potential temperature and evapo-transpiration.

### Unit-III

Distribution of atmospheric pressure belt and winds and its types. Jet streams-their origin, types and distribution. Monsoon mechanism in the world. El-Nino, La- Nino, Walker's circulation and ENSO.

Climatic phenomena: Air masses and fronts, origin, growth, classification. Front- organism, types and weather associated with fronts. Cyclones and anticyclones. Concept of Climate Change Global warming.

### Unit-IV

Approaches to classifications of world climates: Koppen's and Thornthwaite's classification- A critical appraisal of each classification. Major climates regions of the world- Characteristics of Equatorial, Tropical Monsoon, Savanna, Hot and Temperate Desert, Mediterranean and Mountain types of climates.

### Books Recommended-

1. Barry & Perry, synoptic climatology.
2. Blair, T.A., climatology- General and regional.
3. Chorley, R.J.& Barry, R.G., Atmospheric Weather and climate.
4. Donn, W.L., Meteorology.
5. Jackson., climate, water and agriculture in tropics, 1977.
6. Kendrew, W.G., Climates of the continents.
7. Lal, D.S., climatology.
8. Mather, J.R., climatology: Fundamental and applications, 1974.
9. Patterson., introduction to meteorology.
10. Rama, A.A. Weather & Weather forecasting.

  
प्रभासी अकादमिक प्रथम



102.03-P  
**PAPER CODE: GEO : PRACTICAL**

**Minimum Marks: 40**

**Max. Mark 100**

**Duration- 4 Hours**

Pattern of Examination	Bifurcation of Marks		Time
	Regular	N/C	
Written Test	40	60	2Hours
Record work and viva-voce	14+6	14+6	1Hours
Field survey and viva-voce	14+6	14+6	1Hours
Internal Assessment	20	-	-

\*Note- There will be six questions (*one* questions from each unit) in written paper out of which student have to compulsory attempt *Four* questions selecting at least one question from each unit all question carries equal marks. Examination be conducted in batches of not more than 20 candidates in any case. For NC students 28 hours for teaching practical be provided for a batch of 20 students per week.

## SYLLABUS

### Unit-I

Preparation of frequency table and graphical representation of data: Histogram, cumulative frequency polygon, frequency curve (Ogive) and cumulative frequency curve, skewness and Kurtosis.

### Unit-II

Measures and computation of central tendency- Mean, Mode, Median, Quartiles. Dispersions: mean and standard deviation. Meaning of correlations and methods of correlation - Karl Pearson coefficient and Spearman's rank difference). variability theoretical basis of nearest neighbor analysis (NNA) and exercises in settlement patterns.

### Unit-III

Locational analysis urban centers, measurement of disparities using latest data base state district, tehsil and development block level, preparation of choropleth, isopleths and isochrones map. Population potential surface map, population pyramids map and cartograms. Trilinear chart circular graph Climatographic, annual water budget graphs (surplus and deficiency)

  
प्रभारी अकादमिक प्रथम

  
Dhanraj

#### Unit-IV

Introduction of prismatic compass, Instrument required for Prismatic compass Surveying. Use of Prismatic compass and bearing. methods of Prismatic compass surveying and Closing error. Advantage and disadvantage of prismatic compass.

#### Books Recommended-

- Dickinson, G.C. 1973: Statistical Mapping and mapping statistics London. Lawrence, G.R.P.  
1971: Cartographic methods. Methuen, London.  
Mahmood, A.1998: Statistical methods in Geographical studies. Rajesh Publications, New Delhi.  
Robinson, A.H. 2004: element of cartography john wiley & sons, Inc, New York.  
Rampal. K.K. 1993 mapping and compilation method and techniques. Concept publishing Company, New Delhi.  
शर्मा, जे.पी. 2010-11: प्रयोगात्मक भूगोल की रूपरेखा। रस्तोगी पब्लिकेशन, मेरठ।  
Singh, R.L. and Singh RPB 1991: Element of practical geography. Kalyani Publishers, New Delhi.

PAPER CODE: 600-10204-T **GEOGRAPHY OF RURAL SETTLEMENT**

#### Unit-I

Significance and scope of settlement geography. Development of rural settlement geography. Methodological advances in the study of settlement geography; Approaches to the study of settlements: Evolutionary, spatial, and ecological of rural settlement.

#### Unit-II

Types and pattern of rural settlements, functional classification of rural settlements. Rural Settlements: Definition and characteristics of Site and situation.

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Dis  
K.T  
Dhruv

### Unit-III

Morphology of rural settlements, nature and hierarchy of rural settlements. The evolution of field boundaries and field patterns. Types and materials of farm fencing, Folk housing and folk architecture; Traditional building materials. Indian Village: Nature and characteristics. A model of Indian village by Spate; Study of rural settlements in India with special reference to their morphological characteristics.

### Unit-IV

Problems of rural settlements as socio, economic and environmental. Approaches to the morphogenesis of Indian villages. Orientation and segregation of castes in villages, Dichotomy in built environment: Mohannad Habib and Budha Prakash Debit. Rural development planning in India, Integrated rural development planning.

### Books Recommended-

Ahmad, E. 1979. Social and Geographical Aspects of Geography of Human Settlements. New Delhi: Classical Publications.

Ambrose, P. 1970. Concepts in Geography; Settlement Patterns. London: Longmans. Census of India, 1961. House Types and Settlement Patterns of Villages in India. New Delhi.

Chisholm, M. 1969. Rural Settlements and Land Use. London: Hutchinson.

Chris taller, C. W. 1966. Central Places in Southern Germany. Englewood Cliffs N. J: Prentice Hall. Clout, H. D. 1972. Rural Geography: Introductory Survey. Oxford: Pergamon.

Cox, K. R. 1972. Man, Location and Behavior: An Introduction to Human Geography. New York: John Wiley and Sons.

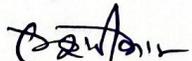
Duncan, J. S. 1990. The City as Text: The Politics of Landscape Interpretation in the Kandy Kingdom. Cambridge: Cambridge University Press.

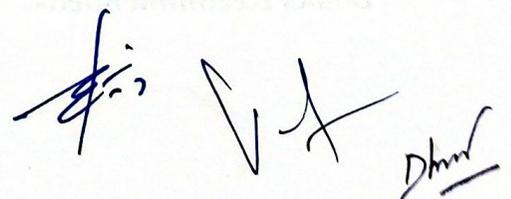
Eidt, R. C., K. N. Singh, and R. P. B. Singh, 1977. Man, Culture and Settlement. Varnas Kalyani Publishers.

Hudson, R. S. 1970. A Geography of Settlements. Eastover, Plymouth: Macdonald and Evans.

James, P. E. and C. F. Jones, 1954. American Geography: Inventory and Prospects. Syracuse: Syracuse University Press.

John E. Bush. 1962. The Morphology of Indian Cities. In Roy Turner (Ed.) India's Urbe Future. Bombay: Oxford University Press.

  
प्रभासी अकादमिक प्रथम



King, A. D. (ed.) 1980. Building and Society: Essays on the Social Development of the Build Environment. London: Routledge and Kegan Paul.

Mayer, H. M. and C. F. Kohn. 1959. Readings in Urban Geography. Chicago: University of Chicago Press.

<sup>10205-7</sup>  
**PAPER CODE: GEO 10205-7: BIO GEOGRAPHY**

### **Unit-I**

Definition, scope and significance nature, approaches, history, recent trends got developments, plant and animal ecology forms and functions of ecosystem; ecosystem with special reference to mountain and desert factors influencing distribution of flora, taxonomical and ecological classification of plant, ecological succession, ecotone had community, patterns of distribution of world vegetation.

### **Unit-II**

Nature and classification of animals and plant kingdom, dispersal and migration of animals: type and causes - case studies, geographical isolation, the zoo-geographical region, biogeography of the cost and island biogeography.

### **Unit-III**

Conservation and management of forest and wild life with reference to India, process, of desertification, its consequences and management principals, projecting into the future: climate change.

### **Unit-IV**

Biogeographical consequences of global Ellinger changing communities and biomes, effect of climate change on biological diversity. Biodiversity- concepts and types, significances of biodiversity. Environmental hazards and Problems of pollutions. Conservation and management of biodiversity, sustainable development programs and policies in India.

### **Books Recommended-**

  
प्रभारी अकादमिक प्रथम

Anjaneyulu, Y. 2002: Environmental Impact Assessment Methodologies. B.3. Publications, Hyderabad.

Anjaneyulu, Y. 2004: Introduction to Environmental Science, D.3. Publications, Hyderabad

Baikie, P. Caimon, T. and Davis, I. (eds.) 2004: At Risk: Natural Hazards Peoples Vulnerability and Disasters, Routledge, London,

Clarke, J.I. Curson, P. Kayastha, S.L. and Nag, P. (eds.) 1991: Population and Disaster. Basil Blackwell, U.S.A.

Cox, C.B. Moore, P.D. 2010: Dio geography- An Ecological and Abolitionary Approach. John willy and Sous, U.S.A.

Huggett, R.J. 1998: Fundamental of Biogeography. Routledge, London.

Ladle, R.J. and Whittaker, R.J. 2011: Conservation Biology. Blackwell Publications Co. U.S.A.

Mathur, H.S. 1988: Essentials of Dio geography. Pointer Publishers, Jaipur:

Macdonald, Geen, 2002: Dio geography: Introduction to Space-Time and Life. John Wiley, New York.

Odum, E.P. 1975: Ecology, Rowman and Littlefield. Lanhan U.3.A.

Robinson. 1982: Biogeography. Eles, Donald and Evans London.

Singh, A.K., Kamra, V.K. and Singh, J. 1986: Forest Resource: Economy and Environment. Concept Publishing Company, New Delhi.

सिंह, एस. 2013: जैव भूगोल । प्रयाग पुरा भवन, इलाहाबाद।

**PAPER CODE: 510-102067: RESOURCES GEOGRAPHY**

**Unit-I**

Definition, scope, nature and significance of resources geography. Concepts and classification of resources geography. Natural resources- distribution, exploration, uses and conservation as forest, water and soils resources.

**Unit-II**

  
प्रभारी अकादमिक प्रथम


Human resource: Population growth, distribution, density, sex ratio, age composition and literacy rate. Population problems in the world. Population theories (demographical Transition) and optimum population. Population and resource regions of the world.

### Unit-III

Agricultural resources: fisheries and cereal crops, beverages, commercial crops. Von Thunen's agricultural location theory. Agricultural regions of the world. Mineral resources (Non-metallic and Metallic) and power resources (Coal, Petroleum, Natural Gas and non-convention energy resources). Biotic resources- vegetation and animals (Fisheries)

### Unit-IV

Manufacturing industry and locational theories as Weber's least cost theory. Iron and steel, textile, chemical and engineering industry. Industry region of the world. International transportation routes and trades. Concepts of Resources conservation. Resources regions of the world. Concepts of sustainable development.

### Books Recommended-

Alexander, E.W.1988: Economics geography. Prentice hall India, new Delhi.

Bunting B.C.1987: The geography. Of soil, prentice hall, New York.

कौशिक, एस.डी. 2010: संसाधन भूगोल । रस्तोगी पब्लिकेशन, मेरठ।

माथूर, बी 1998: संसाधन भूगोल । रस्तोगी प्रकाशन, मेरठ।

Mitchell, Bruce. 1979: geography and Resource Analysis. Longman, London.

Park, C.C. 2001: The environment - principles and applications. Routledge, London Robinson,

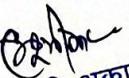
G.W.1932: Soils their origin, constitution and classification. London.

Shafi, M.2004: Agricultural geography. Pearson India.

## PAPER CODE: 620-10207-7: GEOGRAPHY OF TOURISM AND RECREATION

### Unit-I

Tourism and recreation; meaning and definitions and its relationships. Tourist Mobility and Gazes- Space and Place Context. Factors influencing tourism- historical, natural, socio-cultural

  
प्रभासी अकादमिक प्रथम


and economic factors. Elements of tourism. Modernization- mass tourism. Globalization and Tourism- opportunities, risks and constraints, Contemporary world patterns- core regions in Global North and South.

### **Unit-II**

Tourism and Tourism Spaces. Approaches of tourism and role of tourism in development. The nature of tourism production- Tourism capitalist relationships and regulation theory. Dynamics of globalization. Organization - Models of production- micro firms and MNCs. Spatial fixity and factors of Supply- Infrastructure.

### **Unit-III**

Services and marketing, Tourism labor process-flexibilization- spatio-social context, Tourism consumption-motivational factors- commodification of tourists' experiences, typologies of tourists' consumptions- Spatial context. Evolution of tourism in India; regional dimensions of tourism attractions in India.

### **Unit-IV**

Impact of tourism- changing perspective and commodification of places. Environmental dimension. Economic Impact (Employment, labor, Sectoral linkages and hierarchy). Social construction of tourism places. Commodification of culture; Stages- Structuring of tourist's gazes and place image. Tourists' community relationships. Tourism Impact assessment. Tourism development in Rajasthan: Policy and perspective.

### **Books Recommended-**

Banerjee-Guha, S. (2003): Contemporary Tourism Policy and Coastal Districts of Maharashtra: A Critique, unpublished report, Equations. Bangalore, on project conducted at the Department of Geography, University of Mumbai.

Bhardwaj, D. S. and Chaudhary, M. (1997): Contemporary issues in Tourism, Himalaya, Mumbai

Dhatia, A.K. (1989): Tourism Development, Principles and Practices, Sterling, Bangalore,

Bhatia, A.K. (1991): International Tourism: Fundamentals and Practices, Sterling, New Delhi.

  
प्रभारी अकादमिक प्रथम

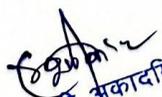

- Chris Ryan. (1991): Recreational Tourism, a Social Science Perspective, Routledge, London.
- Cosgrove, I. And Jackson, R. (1972): The Geography of Recreation and Leisure, Hutchinson, London.
- Garg, N.K. (1996): Tourism and Economic Development. Avishkar, Jaipur.
- Hall, C.M. and Page, S. J. (1999): The Geography of Tourism and Recreation, Environment, Place and Space, Routledge, London.
- Hall, C.M. and Page, S.J. (2001): Tourism in South and South-east Asia: Issues and Cosca, Butterworth, Heinemann, Oxford.
- Hunter, C. and Green, H. (1995): Tourism and the Environment, A Sustainable Relationship.
- Kaul, R.K. (1985): Dynamics of Tourism and Recreation, Inter India, New Delhi.
- Pearce, D. (1987): Tourism Today A Geographical Analysis, Longman Scientific and Technical, New York.
- Pearce, D. (1989): Tourist Development, Longman Scientific and Technical, New York.
- Robinson, H. (1976): Geography of Tourism, Macdonald and Evans, London.
- Shaw, G. and Williams, A.M. (1994): Critical Issues in Tourism, a Geographical Perspective, Blackwell, Oxford, U.K.
- Shaw, G. and Williams, A.M. (2004): Tourism and Tourism Spaces, Singapur.
- Sinha, P.C. (1997): International Encyclopedia of Tourism Management, Vol. 1-12, Anmol, New Delhi.

## **IAM** – INTRODUCTION TO RESEARCH METHODOLOGY

### **Unit I**

Introduction to Research Methodology: Definition, Concept, objectives and types of research (qualitative and quantitative), Significance and ethics in geographical research, Scientific method in geography: inductive and deductive reasoning, Scales of research (macro, meso, micro), Problem identification and research design.

### **Unit II**

  
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**Hypothesis and Sampling:** Meaning, relevance, and types of hypotheses, Steps in problem identification and statement of hypothesis, Hypothesis testing and generalization. **Sampling:** meaning, importance, types and sample design

### Unit III

**Nature and Analysis of Geographical Data:** Types of geographical data (spatial, temporal), **Methods of data collection:** primary (fieldwork, surveys, questionnaires), secondary (reports, maps, literature), **Data analysis techniques:** qualitative, quantitative, and advanced methods, **Use of matrix and their significance in geography**

### Unit IV

**Scientific and drafting of Report Writing and Presentation Stages.** Organization and designing of report writing, dissertations, thesis, project report, research paper, referencing, bibliography and citation methods. Presentation of research findings, research publication and ethical considerations (including plagiarism). Application of software and technology (such as GIS) for research.

### Books Recommended-

- Harvey, D. 1969: Explanation in Geography, Arnold Hellemann, London.
- Her Prasad 1992: Research Methods and Techniques in Geography, Rawat Publication, Jaipur.
- K.R. Sharma 2004: Research Methodology. National Publishing House, Jaipur.
- Kothari, C.R. 1990: Research Methodology-Methods and Techniques. Wishaw Prakash, New Delhi.
- Mishra, H.N. and Singh, V.P. 1998: Research Methodology in Geography. Itvar Publication, Jaipur,
- Manhood, A. 1998; Statistical Methods in Geographical Studies. Rajesh Publication, New Delhi.
- Mishra, R.P. 1989; Research Methodology. Concept Publishing Company, New Delhi. Techniques and Applications.
- Pal, S.K. 1998: Statistics for Geoscientists Publishing Company, New Delhi.
- Sharma, P.R. and Yadav, R.3. 2011: Research Methodology: Concepts and Studies. N Books, New Delhi.
- श्रीवास्तव एवं प्रसाद 2003: भूगोल की: सांख्यिकी विधियो। यसुन्धरा प्रकाधान, गोरखपुर।
- वीरेन्द्र प्रकाश शर्मा 2001: रिसर्च मेथाडोलोजी | पंचशील प्रकाशम, फिल्म भीलोगी, पीड़ा रास्ता, पायपुर.



प्रभारी अकादमिक प्रथम



Geo IEC 01 – Interdisciplinary Elective Course –

Pool of Papers and Syllabus will be provided by the University Separately

  
प्रसाद अकाश कुमार प्रधान

  
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Professor & Convenor  
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