

# **VIKRAM UNIVERSITY, UJJAIN**

(Under the provision of Ordinance No. 11)

(Faculty of Social Science)

**Ph.D. COURSE WORK  
SYLLABUS**

**GEOGRAPHY**

**2018**

# COURSE WORK

## Examination Scheme of marks and Credit Points for Ph.D. Course Work

*(As per common ordinance No.11, Item No. (e) and (f))*

S.No.	Code No.	Name of Paper	Credits	Marks
1.	Paper 1: GEOG CW1	Research Methodology	4	100 ( 60MAIN+40CCE)
2.	Paper 2: GEOG CW2	Review of Published Research in the relevant field	3.	100 ( 60 Written Report+40 Oral / Multi Media presentation)
3.	Paper 3: GEOG CW3	Computer Applications	3	100 ( 60 MAIN+40CCE)
4.	Paper 4: GEOG CW4	Advanced Geographical Study	3	100 ( 60 MAIN+40CCE)
5.	Paper 5: GEOG CW5	Comprehensive Viva-voce	3	100 ( Oral /Multi Media presentation)
TOTAL			16	500

### Note:

1. The candidate has to obtain a minimum of 55% of marks or its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. programme.
2. If a candidate obtain 'F' or 'Ab' grade in the course/subject, he/she will be treated to have failed in that course. He/she has to reappear in the examination in the next semester.
3. If candidate further fails in the course , he/she shall be not given another chance and shall be out of the Ph.D. programme.

## PAPER-1

### (GEOG CW01) : Research Methodology

MM : 100 ( 60Main+40CCE)

Credits-4

#### Particulars

Unit-1	Concept of Research in Social Sciences. Meaning and Nature of Geographical Research, aims, objectives and importance. Research approaches in Geography – Inductive and Deductive. Basis of Geographical Research – Historical, Logical and Scientific.
Unit-2	Identification of Research Problem, formulation of problem, Research Design, making of Hypothesis, Review of Literature, preparation of bibliography and reference material. Determination of study Area : Geographical tools and techniques and measures to delimit the study Area, Use of topographical sheets, GIS and GPS. Methods of Regionalization. Physical and Cultural features and their impacts on the geographical phenomenon of the Study Area.
Unit-3	Collection of Data- Types - Primary and Secondary, Sources of Geographical Data. Topographical Sheet, Selection of indicators and variables. Collection of facts - Observation, interview, schedule and Questionnaire, Content Analysis. Data Processing – Editing, Coding, Sorting and Computing Variables, Classification and Tabulation. Presentation of data - Graphical and Diagrammatic methods.
Unit-4	Universe and Sampling : Sampling techniques, measurement of Central tendency, Dispersion, Deviation, Correlation and Regression Analysis. Probability, test of significance- t - test, f- test, chi-square test analysis of time series.
Unit-5	Report writing : Introduction, Research methods, Referencing and Foot Noting, Analysis and Interpretation, Representation of Conclusion, Presentation of Tables and Diagrams.

#### Suggested Readings :

1. Ahuja, R. (2001): Research Methods, Rawat Publications, Jaipur and New Delhi.
2. Bhattacharyya, D. K. (2005): Research Methodology, Excel Books, New Delhi
3. Blaxter, L., Hughes, C. and Tight, M. (1996): How to Research. Open University Press, Buckingham.
4. Crang, Mike (1999): Cultural Geography. Routledge, London.
5. Daniels, P., Bradshaw, M., et al. (2000): Human Geography: Issues for the 21st Century. Prentice Hall, London, and Pearson Publishers., Singapore. Indian reprint, 2003.
6. Denzin, N. K. and Lincoln, Y.S., (eds.) (2000): Handbook of Qualitative Research. Thousand Oaks CA. Sage Publications.
7. Dikshit, R. D. (2003): The Art and Science of Geography: Integrated Readings. Prentice-Hall of India, New Delhi.
8. Fisher, P. and Unwin, D., (eds.) (2002): Virtual Reality in Geography. Taylor and Francis, London.
9. Hay, I. (ed.) (2000): Qualitative Research Methods in Human Geography. Oxford University Press, New York.
10. Henn, M., Mark W. and Nick F. (2006): A Short Introduction to Social Research, Vistaar Publications, New Delhi
11. Kitchin, R. and Tate, N. (2001): Conducting Research into Human Geography. Theory, Methodology and Practice. Prentice-Hall, London.
12. Limb, M. (2001): Qualitative Methodologies for Geographers. Issue and Debates. Edward Arnold, London.
13. Mukherjee, N. (1993): Participatory Rural Appraisal: Methodology and Application. Concept Publishing Company, New Delhi.
14. Mukherjee, N. (2002): Participatory Learning and Action: with 100 Field Methods. Concept Publishing Company, New Delhi.

## **PAPER-2**

**(GEOG CW02):Review of Published Research in the relevant field**

**MM :100( 60 Written Report+40 Oral /Multi Media presentation)      Credits-3**

**Review of Published Research Papers/ Books in the relevant field.**

**( At least 10 Papers/ Books)**

**The candidate will prepare a review report in typed work or in hand written as per International/ National format of the published work in his relevant research field/area.**

## PAPER-3

### (GEOG CW03) : Computer Application

MM :100 ( 60Main+40CCE)

Credits-3

#### Particulars

Unit-1	<b>Fundamentals of Computers</b> : Computer System Characteristics, capabilities and limitations, Basic components of a computer system- Control Unit, Input/Output functions, devices and their use. Memory – RAM, ROM and other types of memory. Input/ output and storage devices and their uses. Operating Systems- Windows, Windows-XP and Desktop properties.
Unit-2	<b>Word Processing: MS Word</b> • Introduction to Word Processing • Introduction to MS Word: features, Creating, Saving and Opening documents in Word, Interface, Toolbars, Ruler, Menus, Keyboard Shortcut. • Editing a Document – Moving, Scrolling in a document, Opening Multi document windows, Editing Text – Selecting, Inserting, deleting, moving text. • Previewing documents, Printing documents – Print a document from the standard toolbar, Print a document from the menu, shrinking a document to fit a page, Reduce the number of pages by one. • Formatting Documents: Paragraph formats, Aligning Text and Paragraph, Borders and Shading, Headers and Footers, Multiple Columns.
Unit-3	<b>Worksheet: MS Excel</b> • Worksheet basics • Creating worksheet, entering data into worksheet, heading information, data, text, dates, Cell formatting values, saving & protecting worksheet. • Toolbars and keyboard shortcuts 5 • Working with single and multiple workbook • Working with formulas & cell referencing. • Working with ranges – creating, editing and selecting ranges, sorting. • Formatting of worksheet – Auto format, changing – alignment, character styles, column width, date format, borders & colours, currency signs. • Previewing & Printing worksheets. • Graphs and charts – using wizards, various charts type, formatting grid lines & legends, previewing & printing charts.
Unit-4	<b>Presentation Graphics: MS Power Point</b> • Features and various versions • Creating presentation using Slide master and template in various colour scheme • Working with different views and menus of power point • Working with slides – Make new slide, move, copy, delete, duplicate, lay outing of slide, zoom in or out of a slide. • Editing and formatting text: Alignment, editing, inserting, deleting, selecting, formatting of text, find and replace text. • Printing presentation – Print slides, notes, handouts and outlines. • Inserting Objects – Drawing and inserting objects using Clip Art's pictures and charts. • Custom Animation – slide transition effects and other animation effects. • Presenting the show – making stand alone presentation
Unit-5	Introduction to Internet and SPSS and its application in Geographical Research. Computer Cartography.

#### Suggested Readings :

1. Mansoor, A. I.T. Tools and Applications. Pragya Publications, Matura.
2. Norton, Peter (2000.). Peter Norton Complete Guide to Linux. Techmedia Publications, New Delhi .
3. Dubey, Manoj (2013). P C Packages Kamal Prakashan, . Indore.

## PAPER- 4

### (GEOG CW04) Advanced Geographical Study

MM :100 ( 60Main+40CCE)

Credits-3

Any one of the following papers:

S.No.	Paper Code	Paper and Nomenclature	Total Marks	Minimum Marks
1.	GEOG CW04-A	AGRICULTURAL GEOGRAPHY	100	55
2.	GEOG CW04-B	ECONOMIC GEOGRAPHY	100	55
3.	GEOG CW04-C	GEOGRAPHY OF ENVIRONMENT	100	55
4.	GEOG CW04-D	GEOGRAPHY OF HEALTH	100	55
5.	GEOG CW04-E	GEOGRAPHY OF POPULATION	100	55
6.	GEOG CW04-F	GEOGRAPHY OF SETTLEMENTS	100	55
7.	GEOG CW04-G	GEOGRAPHY OF TOURISM	100	55
8.	GEOG CW04-H	POLITICAL GEOGRAPHY	100	55
9.	GEOG CW04-I	REGIONAL PLANNING & DEVELOPMENT	100	55
10.	GEOG CW04-J	RESOURCE MANAGEMENT	100	55
11.	GEOG CW04-K	SOCIAL AND CULTURAL GEOGRAPHY	100	55
12.	GEOG CW04-L	URBAN GEOGRAPHY	100	55

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**(GEOG CW04-A): AGRICULTURAL GEOGRAPHY**

Max. Marks : 100 ( 60Main+40CCE)

(Minimum Marks 55)

**Particulars**

Unit-1	Nature scope and Significance of Agricultural geography, approaches to the study of agricultural geography, commodity, systematic and regional; origin and dispersal of agriculture.
Unit-2	Determinants of agricultural land use; physical economic, social, institutional and technological. Theories of agricultural location based on several multi-dimensional factors, Von Thunen's Theory of agricultural location and its recent modifications.
Unit-3	Land use and land capability classification; concepts and measures of agricultural productivities, agricultural efficiency and crop combination, diversification and specialization.
Unit-4	Agricultural typology and Agricultural regions; Kostrovicki's scheme of agricultural typology critical review of Whittlesey's classification agricultural regions, methods of agricultural regionalization.
Unit-5	Agriculture in India- Land use and changing cropping pattern. Regional pattern of Productivity in India. Green revolution and its impact, white revolution; food deficit and food surplus regions; Specific Problems in India agriculture and their management, Agricultural policy in India.

**Suggested Readings :**

1. Noor Mohammad, ed. New Dimensions in Agricultural Geography.
2. Mazid H. : Agricultural Geography.
3. बी. एल. शर्मा : कृषि भूगोल, साहित्य भवन प्रकाशन, आगरा।
4. प्रमिला कुमार : कृषि भूगोल, म. प्र. हिन्दी ग्रंथ अकादमी।

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**(GEOG CW04-B): ECONOMIC GEOGRAPHY**

**Max. Marks : 100 ( 60MAIN+40CCE)**

**(Minimum Marks 55)**

Particulars	
Unit - 1	Definition, Scope, content and recent trends in Economic Geography, relation of economic geography with economics and other branches of social sciences. location of economic activities and spatial organization, classification of economies. Sector of economy (primary, secondary and tertiary).
Unit - 2	Factors of localization of economic activities: Physical, social, economic, and cultural, concepts and techniques of delimitations of economic region. Classification of industries: Resources based on foot-loose industries.
Unit - 3	Concept of distance, connectivity, accessibility – Intra-regional and inter-regional graph theory and development of transport network. Modes of transportation and transport cost: accessibility and connectivity, Typology of market; network in rural society, market system in urban economy, role of market in the development of trade and commerce.
Unit - 4	Theories of industrial localization-Weber, Losch and Isard. Von Thunen's Theory of agricultural location and its recent modifications.
Unit - 5	Economic development of India. Regional disparities. Impact of green revaluation on Indian economy, globalization and Indian economy and its impact on environment.

**Suggested Readings:-**

1. सिंह के एन एवं सिंह जे : आर्थिक भूगोल के मूलतत्त्व ज्ञानोदय प्रकाशन,गोरखपुर 2002
2. श्रीवास्तव वी.के. एवं राव वी.पी. : आर्थिक भूगोल, वसुन्धरा प्रकाशन,गोरखपुर,2001
3. सिन्हा बी.एन.पी. एवं अन्य : आर्थिक भूगोल, राजेश पब्लिकेशन्स,नई दिल्ली 2000
4. शर्मा श्रीकमल : मानव एवं आर्थिक भूगोल, म.प्र. हिन्दी ग्रन्थ अकादमी, भोपाल
5. Singh K. & Siddiqui A. R. **Economic Geography**, Pravalika Publisher, Allahabad. 2016
6. Roy, P. K. **Economic geography: A Study of Resources**, New Central Book Agency Ltd. Kolkata, 2014.
7. Saxena, H. M. **Economic geography**, Rawat Publication, New Delhi. 2013.
8. Sharm, T.C. **Economic geography of India**, Rawat Publication, New Delhi. 2013.
9. Knowles R. & Wareing J., **Economic and Social Geography**, Rupa Publication, New Delhi, 2004.
10. Brynt, R. H., **Economic and Social Geography**, Made Simple Book, Rupa Publication, New Dehi, 1990.



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**(GEOG CW04-C) : GEOGRAPHY OF ENVIRONMENT**

**Max. Marks : 100 ( 60MAIN+40CCE)**

**(Minimum Marks 55)**

Particulars	
Unit - 1	Environment : Meaning, definition, concepts and theories related to environment. Components of Environment: Classification and their interdependent relationship.
Unit - 2	Development of the environmental studies and their approaches. Development of Environmentalism in Geography. Environment and Development.
Unit - 3	Ecological concepts : Ecosystem : meaning, definition, concept and components. Main terrestrial ecosystems of the world – forests and agriculture. Geography as human ecology.
Unit - 4	Environmental hazards – natural and man induced hazards.
Unit - 5	Environmental pollution: meaning, definition, nature and types – air, water, noise and others.

***Suggested Readings :***

1. Cartledge, Bryen, Population and the Environment., O.U.P. New York 1995.
2. Chandna, R.C. : Environmental Awareness. Kalyani Publishers, New Delhi, 1998.
3. Jain, R.K. L.V. Urban and G.S. Stacy. Environmental Impact Analysis – A New Dimension In Decision – Making. Van Nostrand Reinhold Co. New York, 1977.
4. Khosho, T.N. Environmental Concepts and Strategies. Ashish Publishing House, New Delhi.
5. Mohan, M. Ecology and Development. Rawat Publications, Jaipur, 2000.
6. Munn, R.E. Environmental Impact Assessment : Principles and Procedures. JohnWiley & Sons, New York, 1979.
7. Narain Sunita. The Citizen Fifth Report. Centre for science and Environment, NewDelhi, 2003.
8. Saxena, H.M. Environmental Geography. Rawat Publications. Jaipur, 2000
9. अवस्थी एन एम एर्य आर पी तिवारी पर्यावरण भूगोल मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल,
10. नेगी, पी एस, पारिस्थितिकीय विकास एवं पर्यावरण भूगोल रस्तोगी एन्ड कम्पनी, मेरठ, 1995
11. सविन्द्र सिंह पर्यावरण भूगोल प्रयोग पुस्तक सदन इलाहाबाद, 2006
12. तिवारी विजय कुमार – पर्यावरण पारिस्थितिकी हिमालय पब्लिकेशन, दिल्ली – 1998

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**[GEOG CW04-D) : GEOGRAPHY OF HEALTH**

Max. Marks : 100 ( 60MAIN+40CCE)

(Minimum Marks 55)

Particulars / विवरण

Unit-1	Definition, Nature and Significance of Health Geography. Development of Health Geography its distinction from Medical Sciences, relation with other allied sciences as well as social sciences
Unit-2	Sources of disease incidence data and other related information- primary and secondary sources. Elementary human Anatomy with special reference to respiratory, and digestive systems of human body.
Unit-3	Ecology of diseases and disease epidemiology. Pathological environmental social and cultural and economic factors responsible for causation of diseases and other ill-health conditions.
Unit-4	Pollution syndrome; various types of pollution and their role in disease incidence, Air Pollution and disorders in respiratory system water pollution and water borne diseases.
Unit-5	Classification of diseases. Bases of diseases classification. International classification of diseases. Role of WHO in classification of diseases in the world .

**uggested Readings :**

1. Banerji , B. & J. Hazra: Geo-Ecology of Cholera in West Bengal. University of Calcutta. 1980.
2. Cliff, A. & P. Haggett: Atlas of Disease Distribution. Basil Blackwell, Oxford, 1989.
3. Digby, A. & L. Stewart eds: Geflder, Health and Welfare. Routledge, New York, 1996.
4. Hazra, J., ed.: Health Care Planning In Developing Countries. University of Calcutta, 1997.
5. Howe, G.M.: A World Geography of Hunlan Diseases. Academic Press, London, 1977.
6. Learmonth, A.T.A.: Patterns of Disease and Hunger-A Study in Medical. Geography.
7. David and Charles, Victoria, 1978.
8. Learmonth, A.T.A.: Disease Ecology. Great Britain, 1988.
9. May, J.M.: Studies in Disease Ecology. Hafner Pub. New York, 1961.
10. May, J.M.: Ecology of Hunlan Diseases. M.D. Pub., New York, 1959.
11. May, J.~ Tlie, /:, Orld Atlas of Diseases. Nat. Book Trust, New Delhi, 1970.
12. स्वास्थ्य भूगोल – कैलाश चौबे।

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**(GEOG CW04-E): GEOGRAPHY OF POPULATION**

**Max. Marks : 100 ( 60MAIN+40CCE)**

**(Minimum Marks 55)**

**Particulars / विवरण**

Unit-1	Nature and scope of Population Geography. Development of population Geography as field of specialization. Its relation with the Demography. Sources of population data, their problems, mapping the population data.
Unit-2	Population distribution and density: Growth of population theoretical issues, world pattern and their determinants.
Unit-3	Population Composition- Age and Sex Composition: Literacy and education, occupational structure, Urbanization, Population Regions of the World.
Unit-4	Population Dynamics : Measurement of Fertility and Mortality; World patterns of fertility and mortality. Demographic Transition International Migration.
Unit-5	Population and Resources Development : Concept of optimum population, under population and over population. Theories of population. Malthus, limits to growth. Population- Resource regions of the World.

**Suggested Readings :**

1. Boserup, E. The Conditions of Agricultural Growth. George. Allen & Unwin, London, 1965.
2. Barclay, G.W. Techniques of Population Analysis. John Wiley, New York, 1959.
3. Bogue, D.J. : Principles of Demography. John Wiley, New York, 1969.
4. Bose, Ashish et.al. : Population in India's Development Vikas Publishing House, New Delhi.
5. Chandna R.C. : Geography of Population. Concept, Determinants and Patterns Kalyani.
6. Clark, J.I. Geography. Pergamon Press, Oxford, 1973.
7. Crooch, Nigel: Principles of Population and Development. Pergamon, New York, 1997.
8. Daugherty, H.H., Kenneth C.W. Kammeyir ; An Introduction to Population. The Guilford Press, New York, London, 1998.
9. Garnier, B.J. ; Geography of Population. Longman London, 1970
10. चौदना, आर.सी. :- जनसंख्या भूगोल, कल्याणी पब्लिशर्स नई दिल्ली, 2001।

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**(GEOG CW04-F): GEOGRAPHY OF SETTLEMENTS**

Max. Marks : 100 ( 60Main+40CCE)

(Minimum Marks 55)

Particulars / विवरण

Unit-1	<b>Concept of rural and urban settlements;</b> Nature, Scope, Significance and Recent Trends in Settlement Geography. <b>Evolution of Settlements in India:</b> Emergence of Village Settlements; rural settlement patterns, Origin and Growth of Towns; Basic and Non-Basic Concepts in Settlement formation. Distribution of Settlements, Spacing of Settlements -Application of Models of Christaller and Losch. The rural urban continuum.
Unit-2	<b>Rural Settlements</b> – Characteristics, Types & patterns and their cause and effect relationships of Rural Settlements, House Types, Morphology and Functions of Rural Settlements; Rural Service Centers and their Role in Urbanization Process. Indian Rural Settlements in Different Micro-Environmental Conditions: (a) Mountains (b) Desert Region (c) In the vicinity of Urban Centers. Distribution of rural settlements with reference to size and spacing.
Unit-3	<b>Urban Settlements:</b> Urban morphology, sphere of urban influence, Classification of Urban Places, Non-Functional and Functional. Morphology of Indian Cities and Its Comparison with Western Cities; Functional Relations between Urban Settlements and their umlands.
Unit-4	<b>Settlement systems:</b> primate city, rank-size rule, settlement hierarchy. Regularity in landuse around settlements – Von Thunen Model, Theories explaining the internal structure of cities- The concentric ring theory, The multiple nuclei theory. Functional classification of urban centres – Harris and Nelson.
Unit-5	<b>Concepts in Settlement Geography</b> – CBD, Centrifugal and centripetal forces theory, Urban Fringe, Urban structures theories. Rank size relationship. <b>Settlement Geography of selected Indian Cities:</b> Mumbai, Kolkata, Bangalore, Delhi, Chennai, Hyderabad, Pune, Bhopal, Jaipur and Chandigarh. Urban development in India. Settlement planning.

**References:**

- . Hudson, F. S. (1976) Geography of Settlements, Macdonald, London.
- . Northam Ray, M. (1979). Urban Geography, John Wiley and Sons, New York.
- . Ambrose, Peter, 1970: Concepts in Geography, Vol.-I, Settlement Pattern, Longman.
- . Baskin, C., (Translator) 1996: Central Places in Southern Germany, Prentice-Hall Inc. Englewood Cliffs New Jersey.
- . Haggett, Peter, Andrew D. Cliff and Allen Frey (Ed.) 1979: Locational Models Arnold Heinemann.
- . King, Leslie, J., 1988: Central Place Theory, Saga Publications, New Delhi.
- . Mayer, M. Harold and Clyde F. Kohn (Ed.) 1967 Readings in urban Geography, Central Book Depot, Allahabad.
- . Mitra, Asok, Mukherjee S and Bose, R., 1980: Indian Cities Abhinav Publications, New Delhi.
- . Nangia, Sudesh, 1976: Delhi Metropolitan Region, K.B. Publications, New Delhi.
- . Prakasa, Rao, V. L. S., 1992: Urbanisation in India: Spatial Dimansions, Concept Publishing Co., New Delhi.
- 1. Ramachandran, R., 1992: Urbanisation and Urban Systems in India, Oxford University Press, New Delhi.
- 2. Singh, R. L. and KashiNath Singh (Ed.) 1975: Readings in Rural Settlement Geography, National Geographical Society of India, Varanasi.

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**(GEOG CW04-G): GEOGRAPHY OF TOURISM**

**Max. Marks : 100 ( 60MAIN+40CCE)**

**(Minimum Marks 55)**

Particulars / विवरण	
Unit-1	Basics of Tourism definition of tourism, factors affecting tourism, historical, natural Socio-cultural and economic, motivating factors for tourist: (leisure, recreation, elements of tourism as an industry.)
Unit-2	Geography of tourism - its spatial affinity, areal and locational dimensions comprising physical, cultural, historical, and economic, tourism: cultural, eco-ethno-coastal and adventure tourism, national international tourisms, globalization and tourism.
Unit-3	Indian tourism: regional dimension of tourist attraction: evolution of tourism, Promotion of tourism.
Unit-4	Infrastructure and support system- short and longer destination – agencies and intermediaries accommodation and supplementary accommodation; other facilities, Tourism Circuits, Indian Hotel Industry.
Unit-5	Impact of tourism: physical economic and social perceptions positive and negative impacts; Environment laws and tourism-current trends, spatial patterns and recent changes and role of foreign capital.

**Suggested Readings :**

- Bhatia A.K. : Tourism Development : Principles and Practices. : Sterling Publishers, New Delhi 1996.
- Bhatiya, A.K. International Tourism – Fundamentals and Practices, Sterling, New Delhi (1991) .
- Chandra R.H. : Hill Tourism Planning and Development : A Sustainable Releationship Delhi , 1998.
- Hunter C and Green H. : Tourism and the Environment : A Sustainable Releationship Routledtge, London, 1995.
- दास पपिया: पर्यटन भूगोल, मध्य प्रदेश हिन्दी ग्रन्थ अकादमी, ग्वाल्दर ।
- रैना ए.के. :पर्यटन प्रबंध सिद्धान्त और व्यवहार, अभिनव प्रकाशन, अजमेर 2007 ।
- सिंह सुभन्त, डॉ. वी.पी. सिंह, मध्य प्रदेश में पर्यटन, आदित्य पब्लिशर्स, बीना 2000 ।
- व्यास राजेश कुमार: भारत में पर्यटन, विद्या विहार नई दिल्ली, 2008 ।

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**[GEOG CW04-H]: POLITICAL GEOGRAPHY**

Max. Marks : 100 ( 60MAIN+40CCE)

(Minimum Marks 55)

**Particulars / विवरण**

Unit-1	Nature, scope, subject matter and recent development in political geography approaches to study. Concept of Geopolitics, Critical Geopolitics and evolution of Geo-Strategic views.
Unit-2	Geographic elements of the State; Physical elements, Human elements economic elements, relation of Political geography and environment.
Unit-3	Themes in Political Geography : State, Nation, Nation – State and Nation building frontiers and boundaries. Colonisation, decolonization. Neocolonization Federalism and other forms of Governance Conflicts and Cooperation.
Unit-4	Geopolitical Significance of Indian Ocean. Political geography of SAARC Region. Foreign Policy of India and Impact of geography on Foreign Policy of India. Cross border terrorism; India's role in world affairs. New emerging issues and conflicts of Indian Politics.
Unit-5	Geographical basis of Indian federalism; emergence of new states; international boundary of India and related issues. Areas of influence of leading national parties after independence in India. Water disputes in India : interstate and international. Electoral Geography: Geography of voting, Geographic influence on voting pattern, Geography of representation, Gerrymandering.

**Suggested Readings :**

- Alexander, L.M. : World Political Patterns. Ran McNally, Chicago, 1963.
- D Blij, H. J. and Glassner, M.: Systematic Political Geography, John Wiley, New York, 1968.
- Dikshit R.D.: Political Geography; A Contemporary Perspective, Tata McGraw Hill, New Delhi, 1996.
- Taylor, P.: Political Geography, Longman, London, 1985.
- Pounds, N.J.G.: Political Geography Tata McGraw Hill, New York, 1972.
- Short, J.R. : An Introduction to Political Geography, Routledge, London, 1982.
- Deshpandey, C.D.: India –a Regional Interpretation, Northern Book Centre, New Delhi, 1992.
- Panikkar, K.M. : Geographical Factors in Indian History; II Volumes – Asia Publishing House, Bombay, 1959.
- Martin J, Rhys Jones, Michael Woods : An Introduction to Political Geography: Space, Place and Politics, Routledge, 2004.
- William B. Wood, George J. Demko : Reordering the World: Geopolitical Perspectives on the Twenty-First Century : Westview Press, 1999.
- Husain, Majid : Political Geography; Anmol, New Delhi, 1994.
- Adhikari, S : Political Geography; Rawat, New Delhi, 2010.
- चौहान, पी. आर., राजनीतिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर, 1991
- अधिकारी सुदीप्ति एवं रतन कुमार : राजनीतिक भूगोल, शारदा पुस्तक भवन, इलाहाबाद, 2015
- सक्सेना, एच.एम.: राजनीतिक भूगोल, रस्तोगी प्रकाशन, मेरठ, 2009
- खत्री, हरीश कुमार : राजनीतिक भूगोल, कैलाश पुस्तक सदन, भोपाल, 2005
- दीक्षित, रमेशदत्त : राजनीतिक भूगोल, पी.एच.आई. लर्निंग प्रा.लि., नई दिल्ली, 2015

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**GEOGRAPHY**

PAPER – 4

**(GEOG CW04-I) : REGIONAL PLANNING AND DEVELOPMENT**

Max. Marks : 100 ( 60MAIN+40CCE)

(Minimum Marks 55)

**Particulars / विवरण**

Ur t-1	Regional concept in geography, conceptual and theoretical framework, changing concept of regions, concept of space. Types of region: Formal and functional: Uniform and nodal single purpose and composite regions in the context of planning: regional hierarchy.
Ur t-2	Approaches to Delineation of different types of regions and their utility in planning. Physical regions, resource region, regional divisions according to variations in levels of socio-economic development: special purpose regions-river valley regions, metropolitan regions, problematic regions tribal regions drought and flood prone region.
Ur t-3	Planning process- temporal and spatial dimensions: short term and long term perspectives of planning. Planning for regional development and multi regional planning in a national context. Problem Regions- Bundelkhand and Narmada valley. Regional policy of Balanced development.
Ur t-4	Regional development strategies:concentration Vs dispersal, case studies for plans of developed and developing countries: evaluation of regional plans of India. Indicators of development and their data sources, Measuring levels of regional development and disparities case study of India.
Ur t-5	Concept of Multi-level planning: decentralized planning: peoples participation in the planning process: panchayat raj system role and relationship of panchayati raj institution (Village panchayat, panchayat simiti and Zila parasid) and administrative structure (Village, panchayat, block & district). Regional development in India-problems and prospects.

**Suggested Readings :**

1. Abler, R. et al : Spatial Organization - The Geographer's view of the world. Prentice Hall. Bhat, L.S. regional planning in India Statistical. Pub. Society, Calcutta 1973.
2. Mishra, R.P. et.al. "Regional Planning in India.
3. श्रीवास्तव, शर्मा एवं चौहान : प्रादेशिक नियोजन और संतुलित विकास, वसुन्धरा प्रकाशन, गोरखपुर, 2006

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**PAPER – 4**

**(GEOG CW04-J): RESOURCE MANAGEMENT**

**Maximum Marks : 100 ( 60MAIN+40CCE)**

**(Minimum Marks 55)**

Particulars / विवरण	
Unit - 1	Nature, scope and significance of geography of resources. Meaning, nature and classification of resources, culture and resources. Resource conservation and management with reference to land, water, forest, mineral and energy resources.
Unit - 2	Resource appraisal and policy making:– methods and techniques, land evaluation – concept. Appraisal of Land resources, geophysical, geochemical, geobotanical ; use of GIS and remote sensing in resource appraisal; institutional arrangements and policy models towards better management and conservation of resources.
Unit - 3	Resource allocation: concept, methods and techniques; Perspectives of resource development ; Conservation of resources : meaning, principles, philosophy and approaches of resource conservation.
Unit - 4	Concept of resource management, theories of resource management; difference between resource development, conservation and management. Evaluation of social costs and benefits, status of common property resources : perception. Decision – making in resource management.
Unit - 5	Use and misuse of resources : global and Indian scenario, resource development policies in India. Environmental perception in resource management, impact assessment; natural hazards and risk management. sustainable resource management. Resource planning units and development strategies: A case study of Damodar Valley and Narmada Valley.

**Suggested Readings :**

1. Burton, I. And R.W. Kates : Readings in Resource Management and Conservation. Chicago Univ. Press. 1965
2. Chorley, R.J. ed. : Water, Earth and Man, Methuen, London, 1969
3. Lawson J.A. & J.C. Doornkamp, eds : Evaluating the Human Environment. Edward Arnold, London, 1965.
5. Brierly, W.I. Man, Mind and Land : A Theory of Resource Use. Free Press, Glencoe, 1960.
6. I.A.O. of U.N. : A Framework for Land Evaluation. Soil Bulletin 32, Rome, 1979.
7. Colechuck, J.L. et al : Natural Resources : Ecology, Economics and Policy. Prentice Hall, New Jersey, 2000.
8. Burton, I. & R.W. Kates (eds.) Readings in resources management and conservation Chicago University Press, 1965.
9. Chandana, R.C. : A Geography of Population: Concepts, Determinants and patterns. Kalyani Pub., New Delhi. 2000.
10. Hagget, Peter : Geography-A Modern Synthesis. Harper & Row Pub. New York 1975.
11. Sharma H.S. & S.K. Chattopadhyay : Sustainable Development-Concepts and Issues.
12. Sharma H.S. & M.L. Sharma, (eds) : Environmental Design and Development. Scientific Pub., Jodhpur 1987.
13. United Nations – World Disasters Report – www.ifrc.org
14. Bhargava Archana – Resources and Planning for Economic Development, Northern Book Publishers.
15. डॉ. लोकेश श्रीवास्तव, डॉ. ज्योति श्रीवास्तव एवं नीतू जाहः पर्यावरण अध्ययन एवं प्रबंधन, शारदा प्रकाशन पुस्तक भवन, इलाहाबाद, 2010।
16. डॉ. वी. के. श्रीवास्तव : पर्यावरण एवं पारिस्थितिकी, कन्सेप्ट पब्लिकेशन, नई दिल्ली, 2010।
17. जोहरी, दीपा : संसाधन प्रबंधन, मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल, 2015।
18. कोशिक, एस.डी. : संसाधन भूगोल, रस्तोगी प्रकाशन, मेरठ, 1987



**(GEOG CW04-K) : SOCIAL AND CULTURAL GEOGRAPHY**

Max. Marks : 100 ( 60MAIN+40CCE)

(Minimum Marks 55)

**Particulars / विवरण**

Ur t-1	Social Geography: definition, scope, content, Social Geography in the realm of social sciences and its relation with Sociology and Anthropology. Social structure, Social processes and Social space. Social security, Social change, Social justice and Social inequality. Region as a social unit; city region.
Ur t-2	Elements of Social Geography :Major racial groups of the world and their distribution. Social elements: Ethnicity, Caste and Tribe. Religion: World and India. Distinction between dialects and languages and classification and geographical pattern.
Ur t-3	Concept of welfare and Social Well-Being: Cultural indicators of social well-being, social well-being in India; historical perspectives on unity and diversity; religion and secularization. Industrialization and its Impact on Culture and Modernization Broad Features and Impact on Culture. Crime against women. Women empowerment in India.
Ur t-4	India's Cultural Setting: Historical perspective of of Indian Society; Racial, linguistic and ethnic diversities; religious minorities; Major tribes, tribal areas and their problems; Cultural Regions; Growth, distribution and density of population; Demographic attributes; Sex ratio, age structure, literacy rate, work-force, dependency ratio, longevity; Inter-regional, intra-regional and international migration and associated problems; Population problems and policy; Health indicators.
Ur t-5	Cultural Hearth and Realm; Cultural system and diffusion, Culture, technology and development, Cultural segregation and cultural diversity. Three fold divisions of societies. Socio-cultural transformation: Environment and culture. Acculturation, metropolitan culture and cultural globalization. Cultural regions of world.

**References:**

1. Robestein J.H. & Robert S. Barren (1990) the cultural Landscape An Introduction to Human Geography, Prentice Hall of India Pvt. Ltd. New Delhi – 1
2. Singh R.Y. (2003) Geography of Settlements. Rawat Publications, Jaipur.
3. Hussain M. (1999) Human Geography, 2nd Edition, Rawat Publication, Jaipur
4. Crang, Mike (1999): Cultural Geography. Routledge, London.
5. TirthaRanjit (2002) Geography of India 2nd Edition, Rawat Publication, Jaipur
6. [www.fortunecity.com/victorian/updike/188.culture.html](http://www.fortunecity.com/victorian/updike/188.culture.html)
7. [www.utexas.edu/depts/grg/sanders/GRG305/industrialgeography.html](http://www.utexas.edu/depts/grg/sanders/GRG305/industrialgeography.html)

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**PAPER – 4**

**(GEOG CW04-L): URBAN GEOGRAPHY**

**Maximum Marks : 100 ( 60MAIN+40CCE)**

**(Minimum Marks 55)**

**Particulars / विवरण**

Unit-1	Nature and scope of Urban Geography, different approaches and recent trends in Urban Geography; origin and growth of urban settlements: functional classification.
Unit-2	Urban systems: urban growth and theories. Urban hierarchy, Central Place theory of Christaller and Losch. Contributions of Indian scholars to the studies of urban settlements. Urban economic base: basic and non- basic functions, input-output models, concepts of dualism; colonial and post-colonial structure.
Unit-3	Urban morphology-city core, commercial, industrial and residential areas; modern urban landscape. Morphology of Indian urban settlements and its comparison with Western urban settlements.
Unit-4	Land use models: concentric zone theory, sector model, multiple nuclei Model; city-regions, urban expansion, urmland and periphery. Contemporary urban issues: Urban environment, water, sanitation, solid waste, urban poverty, slums, transportation, housing and crime. Planned cities: Chandigarh and Jaipur. Delhi NCR.
Unit-5	Urban policy and planning: development of medium and small sized towns, city planning, green belts, garden cities, Smart City, urban policy; contemporary issues in urban planning; globalization and urban planning in the Third World, urban landuse planning with special reference to India.

**Suggested Readings :**

1. Alam, S. Manzoor: Hyderabad-Secunderabad: Twin Cities. Asia Publishing House, Bombay, 1964.
2. Carter H.: The Study of Urban Geography: Edward Arnold Publishers, London, 1972.
3. Chorley, R.J. Op. & Haggett, eds: Models in Geography. Methuen, London, 1972.
4. Dickinson, R.E. City and Region. Routledge, London, 1964
5. Kundu, Amitabh: Urban Development and Urban Research in India Khanna Publications, 1992.
6. Mayer H.M. & C.F. Kohn, eds.: Readings in Urban Geography University of Chicago Press 1955.
7. Mumford, L.: Culture of Cities. McMillan & Co. London, 1958.
8. Nagia, Sudesh: Delhi Metropolitan Region - A Study in Settlement Geography. Rajesh publication. 1976.
9. बंसल, एस.सी. : नगरीय भूगोल, रस्तोगी प्रकाशन, मेरठ, 2016।
10. मण्डल, आर.बी. : नगरीय भूगोल,।

**PAPER-5**

**(Geog-5CW) : Comprehensive Viva-voce**

Max:100 ( Oral /Multi Media presentation)

Credits-4

The candidate will have to present a viva in front of internal examiner, External examiner, Head of the institution and other faculty members regarding theory papers and research review work. It is an oral or multi – media presentation.