

26.04.2022 को दोपहर 01:30 बजे भूगोल विषय की समीक्षा के लिए ऑनलाइन बैठक सम्पन्न हुई जिसे विश्वविद्यालय द्वारा सिद्ध किया गया।

इस समिति के निम्नलिखित सदस्य उपस्थित रहे-

1. डॉ० अन्जु सिंह, यू०पी० कालेज, बनारस
2. डॉ० जे०पी० यादव, डी०ए०वी० कालेज, कानपुर
3. डॉ० आर०के० मिश्रा, डी०बी०एस० कालेज, कानपुर
4. डॉ० इन्द्रजीत चौरसिया, एस०डी० कालेज, कानपुर
5. डॉ० शशिप्रभा अग्निहोत्री, पी०एस०एन०पी०जी० कालेज, कन्नौज

Anju Singh
Sharma
Randy

Indrajit

Shashipraba

1. डॉ० शशिप्रभा अग्निहोत्री द्वारा समिति के समस्त पाठ्यक्रम पढ़कर सुनाया गया जिसे कुछ संशोधन के बाद सर्वसम्मति से स्वीकार कर लिया गया।

संशोधित प्रारूप सभी सदस्यों द्वारा विश्वविद्यालय में जमा करने की सहमति जमा कर दिया गया।

Sharma

Dr. J. P. Yadav
Convener of Geography
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CSJM University, Kanpur-208024

Shashipraba

संयोजक भूगोल विषय



CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR

STRUCTURE OF SYLLABUS FOR THE

PROGRAM: M.A./M.Sc., SUBJECT: GEOGRAPHY

Syllabus Developed by		
Name of BoS Convenor / BoS Member	Designation	College/University
DR. S.P. AGNIHOTRI	Ex-Convenor	P.S.M. DEGREE COLLEGE, KANNAUJ
DR. J.P. YADAV	Convenor	D.A.V. COLLEGE, KANPUR

SEMESTER / YEAR	COURSE CODE	TYPE	COURSE TITLE	CREDITS	CIA	ESE	MAX. MARKS
1 ST YEAR / 1 ST SEM	A110701T	CORE	GEOGRAPHICAL THOUGHT	4	25	75	100
	A110702T	CORE	GEOGRAPHY OF RESOURCES	4	25	75	100
	A110703T	CORE	GEOMORPHOLOGY	4	25	75	100
	A110704T	CORE	CLIMATOLOGY	4	25	75	100
	A110705P	CORE	PRACTICAL	4	25	75	100
1 ST YEAR / II ND SEM	A110801T	CORE	REGIONAL PLANNING & DEVELOPMENT	4	25	75	100
	A110802T	CORE	OCEANOGRAPHY	4	25	75	100
	A110803T	CORE	POLITICAL GEOGRAPHY	4	25	75	100
	A110804T	ELECTIVE	SOCIAL GEOGRAPHY OF INDIA	4	25	75	100
	A110805T		DISASTER MANAGEMENT				
	A110806T		REMOTE SENSING & GIS				
	A110807P	PRACTICAL	PRACTICAL	4	25	75	100
	A110808R	PROJECT	RESEARCH PROJECT	8	25	75	100
	MINOR ELECTIVE	FROM OTHER FACULTY (IN 1 ST YEAR)	4/5/6	25	75	100	
II ND YEAR / III RD SEM	A110901T	CORE	PHYSICAL & ECONOMIC GEOGRAPHY OF INDIA	4	25	75	100
	A110902T	CORE	POPULATION GEOGRAPHY	4	25	75	100
	A110903T	CORE	MARKETING GEOGRAPHY	4	25	75	100
	A110904T	ELECTIVE	CULTURAL GEOGRAPHY	4	25	75	100
	A110905T		ENVIRONMENT & BIO-GEOGRAPHY				
	A110906T		URBAN GEOGRAPHY				
	A110907P	PRACTICAL	PRACTICAL	4	25	75	100
II ND YEAR / IV TH SEM	A111001T	CORE	RESEARCH METHODOLOGY	4	25	75	100
	A111002T	CORE	INDUSTRIAL GEOGRAPHY	4	25	75	100
	A111003T	CORE	AGRICULTURE GEOGRAPHY	4	25	75	100
	A111004T	ELECTIVE	RURAL GEOGRAPHY	4	25	75	100
	A111005T		DEMOGRAPHIC TECHNIQUES				
	A111006T		GEOGRAPHY OF HEALTH				
	A111007T	PRACTICAL	PRACTICAL	4	25	75	100
	A111008R	PROJECT	RESEARCH PROJECT (DISSERTATION/INTERNSHIP/ PROJECT)	8	25	75	100

J. P. Yadav
Dr. J. P. Yadav

Convenor of Geography

Board of Studies

CSJM University, Kanpur-208024

M.A./M.Sc IN GEOGRAPHY Semester I

Paper - I

Geographical Thought: Concepts and Issues

Paper Code: A110701T

Unit-1

Changing Paradigm of Geography; Development of Dualism in Geography - Physical v/s Human, Systematic v/s Regional.

Unit-2

Positivism in Geography; Quantitative Revolution and its Impact; Systems and Models in Geography; Theories and Laws in Geography.

Unit-3

Concept of Earth Surface; Concept of landscape; Concept of Region and its Typology; Concept of Spatial Organization.

Unit-4

Radical Geography; Geography as a Science of Human Ecology; Behavioralism & Phenomenology in Geography.

Or

Post-modernism in Geography; Nature and Recent Trends in Geography; Progress of Geographical in India.

Books Recommended :

1. James, P.E. (1980) : A Hundred Years of Geography, Sachin Pub. Jaipur.
2. Davies, W.K.D. (1972) : The Conceptual Revolution in Geography, University of London Press, London.
3. Dickinson, R.E. (1969) : The Makers of Modern Geography, Routledge and Kegan Paul, London.
4. Harvey, D. (1969) : Explanation in Geography, Edward Arnold, London.
5. Lalita Rana : Geographical Thought; Classical to contemporary, Concept publishing company, Mohan Garden, New Delhi.
6. Hartshorne, R. (1959) : Perspectives on the Nature of Geography, John Murray, London.
7. Singh, Jagdish (2008) : Bhaugolik Chintan Ke Mooladhar, Gyanodaya Prakashan, Gorakhpur.
8. Dikshit, S.K. (2001) : Bhaugolik Chintan Ka Udbhav Avam Vikas, Vishwavidyalaya Prakashan, Varanasi.
9. Richard, Peet (1977) : Radical Geography, Methuen & Co. Ltd., London.
10. Adhikari, Sudipto (2009) : Fundamentals of Geographical Thought, Chaitanya Pub. House, Allahabad.
11. Chorley, R.J. & Haggett, P. eds. (1967) : Integrated Models in Geography, Methuen, London.
12. James, P.E. & Jones, C.F. (1954) : American Geography : Inventory & Prospect, Syracuse Univ. Press, New York.
13. Dikshit, R.D. (1990) : Geographical Thought : A Conceptual History of Ideas, Prentice Hall of India, N. Delhi.
14. Johnston, R.J. (1984) : Geography and Geographers, Arnold Heinemann, London.

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Chairman, Geography

Board of Studies 3

CSJM University, Kanpur-208024

28-4-2022

Dr. Anish Singh

Unit-1

Concept of Resources, Classification of Resources, Principles of Resources : Adequacy and Scarcity.

Unit-2

Resources and Development, Imbalance in Resource Distribution and Utilization, Globalization and Resources.

Unit-3

Problems and Prospects of Soil, Water, Forest Resources, Mineral & Power Resources, Resource Depletion.

Unit-4

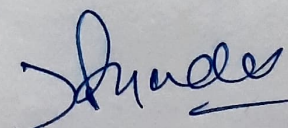
Emerging Issues – Desertification, Deforestation, Loss of Biodiversity, Energy Crisis, Resource Conservation.

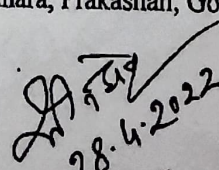
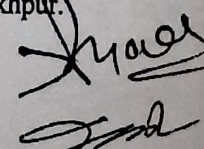
Or

Strategies and Planning of Resources with special reference to Soil, Water and Forest. Population Resource Regions.

Books Recommended :

1. Zimmermann, E.W. (1966) : Introduction to World Resources, Harper & Row, New York.
2. Smith, G.H. (ed.) (2000) : Conservation of Natural Resources, John Wiley, New York.
3. Kellogg, C.F. (1986) : Food, Soil and People, The Manhattan Publishing Co. New York.
4. Simmans, I.G. (1981) : The Ecology of Natural Resources, Edward Arnold, London.
5. Smith, J.R. (1987) : Industrial and Commercial Geography, London.
6. United Nations (2007) : Human Development Report, Oxford, UNDP.
7. Singh, Jagdish (1998) : Sansadhan Bhoogol, Gyanodaya Prakashan, Gorakhpur.
8. Behra, Deepak Kumar (2000) : Resource Management Through Indigenous Knowledge, New Delhi.
9. Holechek, J.L. et.al. (2000) : Natural Resources : Ecology, Economics and Policy, Prentice Hall, New Jersey.
10. Rao, B.P. (2006) : Resources and Environment, Vasundhara, Prakashan, Gorakhpur.


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Unit-1

Meaning, Scope and Fundamental Concepts of Geomorphology; Evolution of Geomorphic Ideas during Medieval and Modern Period.

Unit-2

Geological Time Scale, Landform Analysis; Geomorphic Agents and Processes; Models of Landscape Developed by W.M. Davis, W. Penk and L.C. King.

Unit-3

Earth Movements–Epeirogenic and Orogenic, Concept of Plate Tectonics, Mountain Building; Vulcanicity and Earthquakes.

Unit-4

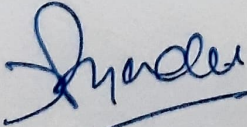
Slope Evolution and Classification; Theories of Slope Development by Davis, Penk and King; Structural Geomorphology – Uniclinal Structure and Landforms.

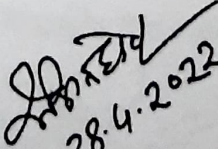
Or

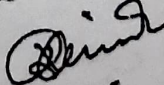
Morphometric Analysis of Relief – Hypsometric Curve, Altimetric Frequency Curve, Histogram and Clinographic Curve; Strahler's Method of Drainage Ordering; Frequency and Density of the Drainage.

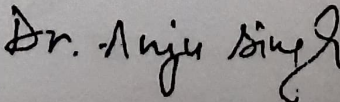
Books Recommended :

1. Thornbury, W.D. (1969) : Principles of Geomorphology, New Age International (p) Ltd., New Delhi.
2. Bloom. A.L. (1979) : Geomorphology, Prentice Hall, New Jersey, USA.
3. King, C.A.M. (1968) : Techniques in Geomorphology, Edward Arnold, London.
4. Small, R.J. (1976) : The Study of Landforms, Cambridge University Press, Cambridge.
5. Singh, Savindra (2005) : Geomorphology, Prayag Pustak Bhawan, Allahabad.
6. Kale, V.S. and Gupta, A. (2001) : Introduction to Geomorphology, Orient Longman, Hyderabad.
7. Sharma, H.S. and Kale, V.S.(2009) : Indian Geomorphology, Rawat Pub. Jaipur.
8. Dikshit, K.R. et.al. (1994) : India Geomorphological Diversities, Rawat Pub. Jaipur.
9. Tricart, J. & Cailleux, A. (1972) : Introduction to Climatic Geomorphology, Longman, London.
10. Dayal, P. (1987) : Geomorphology (in Hindi), Patna.


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Unit-1

Definition and Scope of Climatology; Heat Balance of the Earth; Origin of Monsoon – Recent Concepts.

Unit-2

Critical Appraisal of Climatic Classifications by –Koppen, Thornthwaite and Trewartha.

Unit-3

Applied Climatology –Climate and Landforms, Climate and Natural Vegetation, Climate and Agriculture, Climate and House Types & Settlement.

Unit-4

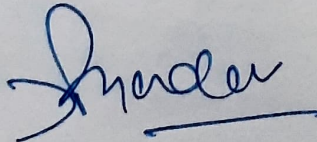
Human Impact on Climate – Green House Effect, Ozone Depletion.

Or

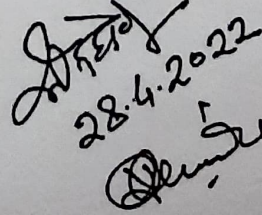
Regional Climatology at Macro, Meso, Micro level; Urban Climatology; Heat Island; Weather Forecasting.

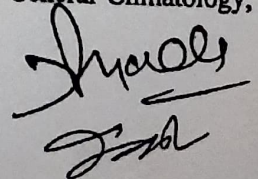
Books Recommended :

1. Trewartha, G.T. (1954) : An Introduction to Climate, Mc Graw Hill Series in Geography.
2. Kendrew, W.G. (1972) : Climatology, Oxford Uni. Press.
3. Hobbs, J.E. (1983) : Applied Climatology, Butterworths, London.
4. Mathur, J.R. (1974) Climatology : Fundamentals and Applications, Mc Hill Book Company, New York.
5. Lockwood, J.G. (1974) : World Climatology and Environmental Approach, Edward Arnold, London.
6. Sidhartha, K. (2002) : Atmosphere, Weather and Climate, Kislay Pub. Pvt. Ltd., New Delhi.
7. Singh, Savindra (2005) : Climatology, Prayag Pustak Bhawan, Allahabad.
8. Lal, D.S.(2001) : Climatology, Chaitanya Pub. House, Allahabad.
9. Banerji, R.C. & Upadhyay, D.S. (1999) : Mausam Vigyan, Rajasthan Hindi Granth Academy, Jaipur.
10. Upadhyay, D.P. & Singh, R. (2003) : Climatology and Hydrology (in Hindi), Vasundhara Prakashan, Gorakhpur.
11. Negi, B.S. (1999) : Climatology and Oceanography (in Hindi), Kedarnath Ramnath, Meerut.
12. Critchfield, H.J. (2002) : General Climatology, Prentice Hall of India, New Delhi.
13. Subrahmaniam, V.P. (1992) : Contribution to Indian Geography Part – III – General Climatology, Heritage Publication, New Delhi.



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(i) **Geological Maps:** Drawing of Cross Sections – Inclined, Folded, Faulted Strata and Unconformable Series; Interpretation of Geological History – Nature of Relief and Rock Structure and their Correlation.

(ii) **Geographical Information System**

Unit-1 Definitions, Scope and Development of GIS, Component of GIS, Functional Elements of GIS.

Unit-2 GIS Hardware & Software, Spatial & Non-Spatial Data, Data Structure-Raster & Vector, Data Handling in GIS – Geometric Rectification.

Unit-3 Data Input & Editing, Topology Creation, Errors in GIS, Spatial Data Analysis – Raster – Vector Based, DEM & its Application.

Unit-4 Database Structure – Hierarchical Network, Relational & Object Oriented, DBMS, RDBMS.

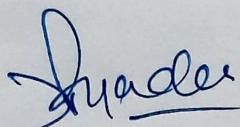
Or

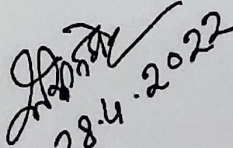
Concept of GPS & Its Application, GIS Application in Planning & Disaster Management.

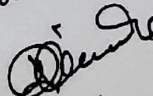
(iii) **Projections :** Meaning, Classification and Choice of Projections; Construction and Characteristic of Projections –Polyconic, Galls, Equatorial Zenithal Projection - Gnomonic, Sinusoidal, Mollweide and their interrupted cases, International Projection.

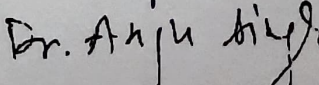
Books Recommended:

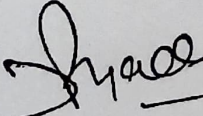
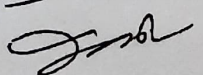
1. Singh, J. et.al. (1990) : Bhaumikiya Manchitro Ki Ruprekha, Vasundhara Prakashan, Gorakhpur.
2. Robinson (1991) : Aerial Photography and Cartography, Mac Millan, London.
3. Sahani, P.B. (1993) : Advance Surveying, New Delhi.
4. Kanetkar, T.P. & Kulkarni, S.V. : Surveying and Leveling, Pune.
5. Davis, R.E. and Foote, F.S. : Surveying - Theory and Practices, Tokyo.
6. Rampal, K.K. : Photogrammetry and Photo-Interpretation, Rawat Publications, Jaipur.
7. Tiwari, R.C. and Tripathi, Sudhakar (2001) : Abhinav Prayogatmak Bhoogol, Prayag Pushtak Bhawan, Allahabad.


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28.4.2022




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M.A./M.Sc IN GEOGRAPHY SEMESTER - II
PAPER - I
REGIONAL PLANNING AND DEVELOPMENT
Paper Code: A110801T

COURSE CONTENT

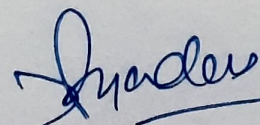
- UNIT-1 : Concept of Regional Development: changing paradigm, Sustainable development.
- UNIT-2 : Indian Thoughts of Development : Ideas of Gandhi, Census of India and NITI Aayog.
- UNIT-3 : Identification of Regional Disparities: spatial patterns and temporal trends, Human Development Index.
- UNIT-4 : Regionalization for Sustainable Development: area development programmes, agro-climatic regions, metropolitan regions.

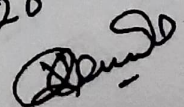
Or

Regional development strategies: Growth Centers, Special Economic Zones, Watershed approach, micro level planning.

SUGGESTED READINGS:

1. Bardhan, P. 1984. The Political Economy of Development in India, Oxford, Blackwell.
2. Bhalla, A.S. 1992. Uneven Development in the Third World: A Study of India and China, London, Macmillan.
3. Dreze, J. and Sen, A. 1996. Indian Development: Select Regional Perspectives, Oxford University Press.
4. Ganguli B.N. 1997. Indian Economic Thought: A 19th Century, Perspective, Tata McGraw Hill, New Delhi
5. Misra, R.P. (ed.) 1992. Regional Planning Concepts, Techniques, Policies and Case Studies, Concept Publishing Pvt. Ltd, Delhi.
6. Mitra, Ashok. 1961. Levels of Regional Development in India, Census of India 1, no. 04 Part 1,
7. Nath, V. 2009. Regional Development and Planning in India, Concept Publishing Company.
8. Sharma, H.S and Chattopadhyaya, S. 1998. Sustainable Development: Issues and Case Studies, Concept Publishing, Delhi.


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Dr. Ajay Singh

COURSE CONTENT

UNIT-1 : Oceanography- nature, scope and development, distribution of land and water, Ocean bottom topography, bottom relief of Pacific, Atlantic and Indian Ocean.

UNIT-2 : Characteristics of Ocean water: temperature – distribution, salinity – composition, source and distribution, density of sea water.

UNIT-3 : Movement of ocean water: currents - causes and its characteristics, currents of Atlantic, Indian and Pacific Ocean, Waves, tides and theories of its origin.

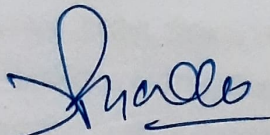
UNIT-4 : Ocean deposits & coral reefs.

Or

Sea Level Change: Causes and consequences, Importance of EEZ and CRZ; Marine Pollution and Its Effects, Geopolitics of Oceanic Resources with special reference to Asia-Pacific Region

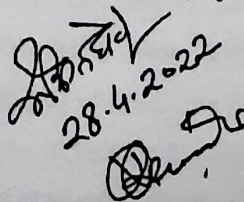
BOOKS RECOMMENDED:

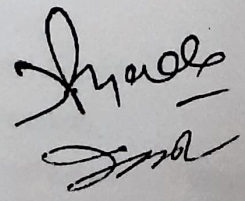
1. Davis, R.J.A. 1986, Oceanography – An Introduction of the Marine Environment, Win C. Brown, Iowa.
2. King, C.A., Oceanography for Geographers, Edward Arnold Pub.
3. Murray, S.J., 1913, Ocean, A General account of the Science of the sea, Thorton Butter Worth, London.
4. Siddhartha, K. 1999, Oceanography, A Brief Introduction, Kisalaya Pub. Pvt. Ltd., New Delhi..
5. Vatal, Meera : Oceanography for Geographers.
6. Stahler, A. N. Stahler A.H., 1997, Geography and man's Environment, John Wiley and Sons, New York.
7. Thurman, H.V., 1978, Introduction to oceanography, Charles E. Merrill Pub. Co., London.
8. Weyl, P.K. 1970, Oceanography an Introduction of the Marine Environment, John Wiley and Sons Ltd., London.
9. Lal, D.S. : Oceanography, Sharada Pustak Bhawan, Prayagraj.

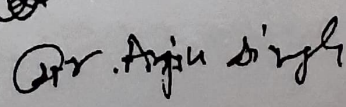


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COURSE CONTENTS:

- UNIT-1 : Definition and Historical Development of Political Geography, Recent Trends and Development in Political Geography, Distinction between Geo-Politics and Political Geography.
- UNIT-2 : Definition and Components of State, Definition of Nation and Nation State, Geographical factors of state : Physical, spatial, Human & Economic. Definition of Boundary and Frontiers and their Classification.
- UNIT-3 : Meckinder's Geographical Pivot and Heartland Model, Spykman's Rim Land Model, Geostrategic idea of A.T.Mahan, Critical Assessment of Heartland and Rim Land Model and their Relevance to World' Geo politics.
- UNIT-4 : Indian concepts of geopolitics towards the approach of "Vasudhaiva Kutumbakam".

Or

Geopolitical significance of the Indian Ocean; Role of third world countries; Regional co-operation; Geopolitical study of South-East Asia and South Asia, Politics of World Resources.

SUGGESTED READINGS:

1. Agnew, J.A. (1987), Place and Politics, Boston : Allen and Unwin
2. Blacksell, Mark (2003), Political Geography, London Routledge.
3. Cox, Kevin R. (2008) The Sage Handbook of Political Geography, New Delhi sage.
4. Awasthi, Braham Dutt : Vishwa Shakti Bharat, Sasta Sahitya Mandal Prakashan, New Delhi.
5. Dikshit, R.D. (2000) Political Geography: The Spatiality of Politics, New Delhi : Tata Mc Graw Hill
6. Jones, Martin Rhys Jones and Michael Woods (2003), An Introduction to Political Geography, 1. London : Routledge
7. Khor, Martin (2001) Rethinking in Globalization, London : Zed Books.
8. Painter J. (1995) Politics, Geography and Political Geography, London : Arnold.
9. Taylor, P.J. and Colin Flint (2001), Political Geography, New Delhi : Pearson.
10. Taylor, P.J. and R.J. Johnston (1979), Geography of Elections Hammondswoth : Penguin
11. Adhikari, Sudepto (2008), Political Geography of India, Allahabad: Sharda Pustak Bhandar
12. Dwivedi, R.D. and Misra, H.N.: Fundamentals of Political Geography.

Dr. J. P. Yadav

Professor of Geography
Board of Studies

CSJM University, Kanpur-208024

Course Contents:

Unit 1: Social Geography of India: Nature and Scope, Indian society - a study of unity in diversity; Centripetal and centrifugal forces, Aryavarta, Dakshinpatha, Narmada Chota-Nagpur axis , regional identities and regionalism : A curse or a boon.

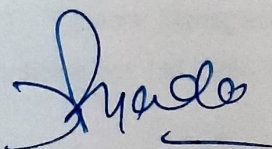
Unit 2: Historical Bases of Socio cultural status of India: Elements of development in socio cultural regions; Sixteen Mahajanapads and Mughal Empire: Socio-cultural changes and unity of India, Impact of Mewar Kingdom and British Empire on the hearts of Indian People for the quest of Independence.

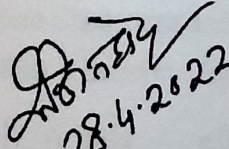
Unit 3: Geographical factors explaining the emergence of different religions in India.

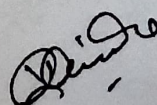
Unit 4: Geographic analysis of caste and tribe, Development of Different ancient languages, caste and settlement morphology, Various relations and mutual communication promoting the unity of India.

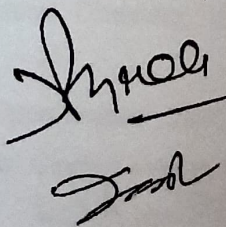
Suggested Readings:

1. Ahmed, A. 1999. *Social Geography*, Rawat publications, Jaipur.
2. Ahmed, A. 1993. (ed) *Social Structure and Regional Development: A Social Geography Perspective*, Rawat Publications, Jaipur.
3. Singh, K.S. 1993. *People of India* Vol I to XI, Oxford University Press, New Delhi.
4. Raza, M. and Ahmed, A. 1990. *An Atlas of Tribal India*, Concept Publishing Co, Delhi.
5. Sopher, D. (ed.) 1980. *An Exploration of India: Geographical Perspectives on Society and Culture*, Cornell Press, New York.
6. Schwartzberg, J. 1978. *A Historical Atlas of South Asia*, University of Chicago Press, Chicago.
7. Crane Robert, I. 1973. *Regions and Regionalism in South Asian Studies: An Exploratory Study*, Duke University Durham.
8. Registrar General of India, 1972. *Economic and Socio cultural Dimensions of Regionalization of India*, Census Centenary Monograph No 7, New Delhi.
9. Pannikar, K.M. 1959. *Geographical Factors in Indian Histor*, Bharatiya Vidya Bhavan, Bombay.
- 10 Subba Rao, B. 1958. *Personality of India*, MS University Press, Baroda.
11. Mohanty G.S. : *Social and cultural geography*, Isha Books.


Dr. J. P. Yadav
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CSJM University, Kanpur-208024


28.4.2022





Dr. Anju Singh

COURSE CONTENTS:

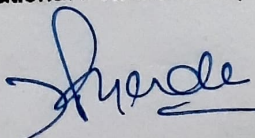
- UNIT-1 : Disasters: Definition and Concept, Types of Environmental Hazards and Disasters.
- UNIT-2 : Man Induced hazards and Disasters-Earthquake, Tsunami, Landslides, Cyclones, Floods, Drought, Desertification and its Distribution & Mapping.
- UNIT-3 : Man made Disasters: Causes, Impact, Distribution and Mapping, Response and Mitigation to Disasters. Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community based Disaster Management; Do's and Don'ts During and Post Disasters.
- UNIT-4 : Harnessing Information and Technology: Application of G.I.S., G.P.S. and Remote Sensing in Disaster Management.

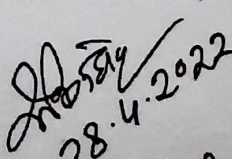
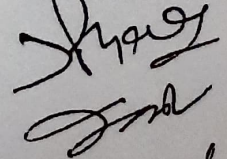
Or

Disaster in Indian Context: A Regional Survey of Land Subsidence, Coastal Disaster, Cyclonic Disaster and Disaster in Hills, Terror Attacks, Remedial Measures. National and International Policies of Disaster Management.

SUGGESTED READINGS:

1. Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
2. Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Pub, New Delhi.
3. Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
4. Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi.
5. Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
6. Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United
7. Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.
8. Singh Jagbir (2007) "Disaster Management Future Challenges and Opportunities", 2007. Publisher I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India.


Dr. J. P. Yadav
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COURSE CONTENT

UNIT-1 : Remote Sensing: principles, historical development, satellite and sensors, concept of resolution, photography vs image, GPS applications.

UNIT-2 : Aerial photography: stereoscopy, principles of aerial photo interpretation.

UNIT-3 : Electromagnetic radiation principles; interaction mechanism with atmosphere and earth surfaces; spectral responses of earth surface features, visual interpretation of satellite images.

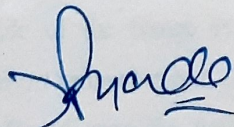
UNIT-4 : Definition, Development and Applications: elements of GIS; geographic object: point, line and area; coordinate systems and map projections.

Or

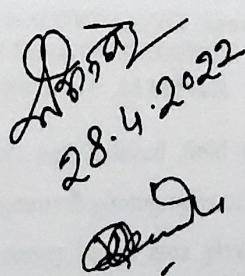
Geographic Data, Input, Storage and Editing; spatial and attribute data, vector and raster based models, digitization; storage and manipulation of GIS data bases, presentation of GIS output.

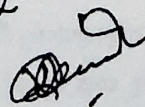
SUGGESTED READINGS:

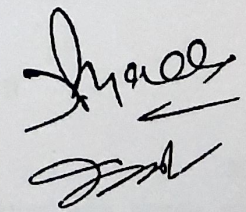
1. Burrough, P.A. and McDonnell, R.A. 1998, Principles of Geographic Information Systems, Oxford University Press.
2. Chang. K-t. 2006. Introduction to Geographic Information Systems, Tata McGraw-Hill.
3. Demers, M. 2009. Fundamentals of Geographic Information Systems, 4th Edition, John Wiley & Sons.
4. Gupta, R.P. 2018. Remote Sensing Geology, 3rd Edition, Springer.
5. Heywood, I, Cornelius, S., Carver, S. 2011. An Introduction to Geographic Information Systems, 4th Edition, Pearson Education.



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Dr. Anju Singh

M.A./ M.Sc In GEOGRAPHY Semester - II
PRACTICAL
Cartography
Paper Code: A110807P

Marks: 100

(i) **Statistical Methods** : Collection, Processing and Management of Data; Measurement of Scale; Concept and Methods of Sampling; Correlation – Pearson's Product Movement(r), Spearman's rank (ρ), Coefficient of Determination; Regression Analysis and Confidence Limit; Residuals and Residuals Mapping; Test of Significance; chi square and Student t test. 30

(ii) **System Analysis** : Measurement of Spatial Pattern and Inequality – Z score, Lorenz Curve and Gini's Coefficient, Location Quotient, Coefficient of Localization & Localization Curve, Nearest Neighbor Analysis, Network Analysis, Graph Techniques and Degree of Connectivity, Shape Analysis, Gravity Model, Retail Gravitation. 25

(iii) **Cartograms** - Climatic Diagrams Rainfall Dispersion Diagram; Water Budget; Ergo-graph – Climatic and Circular, Multiple Dot, Spherical Diagram, Traffic Flow, Land Utilization Maps 25

Practical Record & Viva-Voce 20

Books Recommended:

1. Singh, R.L. et.al. (1991) : Elements of Practical Geography, Kalayani Publisher, New Delhi.
2. Yadav, H.L. (2001): Prayogatmak Bhoogol, Radha Publications, New Delhi.
3. Chauhan, P.R. (2003): Prayogatmak Bhoogol, Vasundhara Prakashan, Gorakhpur.
4. Sharma, J.P. (2003) : Prayogik Bhoogol, Rastogi Publications, Meerut.
5. Tiwari, R.C. and Tripathi, Sudhakar (2001): Abhinav Prayogatmak Bhoogol, Prayag Pushtak Bhawan, Allahabad.
6. Monkhouse, F.J. & Wilkinson, H.R. (1966) : Maps and Diagrams, Methuen, London.
7. Singh, L.R. (2001) : Practical Geography, Sharda Pustak Bhawan, Allahabad.

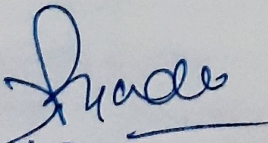
M.A./ M.Sc In GEOGRAPHY Semester - II
RESEARCH PROJECT
Paper Code: A110808R

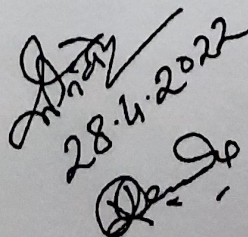
Marks: 100

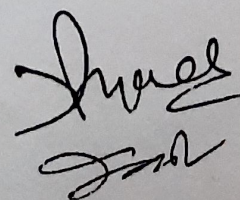
- A- **Tour-** (Outside of the Ganga Plain) and detailed field observation with sample survey. Preparation of a report using sketches, diagrams & photographs of visited area. (Compulsory) 40
- B- **Project Report-** Based upon the field survey of an area given by the Head/Chairman of the Department. 40

Note:- The T.A., D.A. and other expenses on Teachers and attendants will be met out by the college.

C- **Viva-Voce** 20


Dr. J. P. Yadav
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28.4.2022
Dr. Anjika Singh



M.A./ M.Sc IN GEOGRAPHY SEMESTER - III

Paper - I

Physical & Economic Geography of India

Paper Code: A110901T

Unit-1

Geological Evolution & Relief Features – Plains, Plateaus, Mountains and Coasts; Origin of Himalayas. Origin of River Systems in India.

Unit-2

Climate & Climatic Regions, Delimitation & Characteristics of Physiographic Regions & Agro-Climatic Regions.

Unit-3

Population Resource Regions; Green Revolution; Agricultural Regions & New Trends in Indian Agriculture.

Unit-4

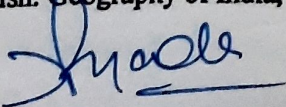
Mineral Resource Regions; Regional Development and Disparities; Industrial Policies & Trend of Industrialization; Industrial Regions & Industrial Complexes.

Or

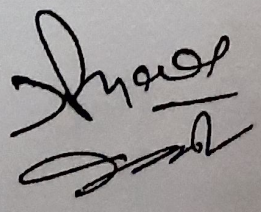
Special Economic Zones; Impact of Globalization on Indian Economy; Problems & Prospects of Industrially Backward Regions; Planning Regions of India : Delimitation and Salient Features.

Books Recommended :

1. Wadia, D.N. (1953) : Geology of India, Oxford University Press.
2. Spate, O.H.K. & Learmonth, A.T.A. (1954) : India & Pakistan, Methuen, London.
3. Khullar, D.R. (2006) India : A Comprehensive Geography, Kalyani Pub., New Delhi.
4. Chauhan P.R. (2001) : Bharat Ka Vrihat Bhoogol, Vasundhara Prakashan, Gorakhpur.
5. Tiwari, R.C. (2007) : Geography of India, Prayag Pustak Bhawan, Allahabad.
6. Hussain, Majid (2008) : Advance Geography of India, Tata Mc Graw Hill, New Delhi.
7. Singh, R.L. (1991) India : A Regional Geography, NGSI, Varanasi.
8. Singh, J. (2001) India : A Comprehensive Geography, Gyanodaya Prakashan, Gorakhpur.
9. Gautam, Alka (2001) : Geography of India, Sharda Pustak Bhawan, Allahabad.
10. Bansal, S.C. (1999) : Advanced Geography of India, Meenakshi Publication, Meerut.
11. Govt. of India : Economic Survey 2008-09, Ministry of Finance, New Delhi.
12. Govt. of India : India, 2008, Govt. of India Pub., New Delhi.
13. Nag Prithvish: Geography of India, Concept publishing company, New Delhi.


Dr. J. P. Yadav
Convener of Geography
Board of Studies

CSJM University, Kanpur-208024


Dr. Anjy Singh

COURSE CONTENT

UNIT-1 : Nature, scope, significance of population Geography and its recent trends. Sources of population data; The Census, Vital Registration and Other Sources, Problems relating to comparability of data, World Population distribution and density.

UNIT-2 : **Population Dynamics:** Growth, fertility and mortality measurement. Theories of Growth: Malthusian theory, Social Capillary and demographic transition theory. Migration: types, determinant and consequences, patterns of international migration. Theories of Migration: Ravenstein and Lee's Laws.

UNIT-3 : **Population Composition/ Characteristics :** Sex Composition-measures, determinants and distribution. Declining Sex Ratio, Age composition: various systems of age groupings, determinants and distribution; ageing of population, Occupational structure, determinants of work force, types of workers.

UNIT-4 : **Population and resources:** Over population, Under population, Optimum population, Ackerman's scheme of Population-Resource regions, population problems with special reference to India: food, housing, unemployment and poverty, population policies, National Population Policy (NPP), 2000.

Or

Migration: theories, typologies, patterns and flows; causes and consequences.

BOOKS RECOMMENDED:

1. Bhende, A.A. & Kanitkar, (2014), Principles of Population Studies, Himalayan Pub. H., Mumbai.
2. Bogue, D. J., Principles of Demography, New York, 1969.
3. Chandna, R.C., Geography of Population: Concepts Determinants and Pattern, Kalyan Pub. Ludhiana, 2014.
4. Clarke, J.I. Population Geography, Oxford, 1981.
5. Coontz, S.H. Population Theories and the Economic Interpretation.
6. Garnier, B.J., Geography of Population, Longman Group Limited, London, 1966.
7. Jones, H.R., A Population Geography, London, 1981.
8. Jhingan M.L. Bhatt B.K. and Desai, J.N. Demography, Vrid Pub. Delhi, 2006.
9. Khan, J.H. Socio-Economic and Structural Analysis of Internal Migration, New Delhi, 2010.
10. Khullar D.R., India: A comparative Geography, Kalyan Pub. Ludhiana, 2014.
11. Shamshad, Houseless: People on the Road, Academic Publication, 2015.
12. Siddiqui. F.A. Regional Analysis of Population Structure, new Delhi, 1984.
13. Smith, T., Fundamentals of Population Study, New York, 1960.
14. Trewartha, G.T., A Geography of Population: World pattern, New York, 1969.

Dr. J. P. Yadav

Convener of Geography
Board of Studies

[Handwritten signatures and dates]
28.4.2022
Dr. Anil Singh

MARKETING GEOGRAPHY

Paper Code: A110903T

COURSE CONTENT

UNIT-1 : Marketing Geography: Definition, scope and significance. Growth and development, Approaches of Study: Commodity, Spatial, Social, Economic, Behavioural. Application of Planning : Market, Urban, Agriculture.

UNIT-2 : Markets : Classification, structure and hierarchy, Markets participants, Market Channel and Trade Area, Theoretical Framework for Study of Market Centres: Christaller and Losch Model of Market Locations; B.J. Berry's Model and Reilly's Models of interaction and trade area delimitation.

UNIT-3 : Trade : Classification and structure: Local, Regional, National and International, Historical Development of Trade, Factors of Development of Trades. International Trade, World Trade Organization, World Trading Zone: SAFTA (South Asian Free Trade Association), NAFTA (North Atlantic Free Trade Association).

UNIT-4 : Indian Agricultural Marketing: Definition, Types and Structure, Formal Marketing: Regulated, Government Purchase Centres, Informal Marketing.

Or

Local, Regional, Private Traders, Processing Units. Marketing Channels, Food grains and Vegetables, WTO and Agricultural Marketing: Its impact on agriculture, environment, Food Security and Society

SUGGESTED READINGS

1. Acharya, S.S & Agarwal, N.L (1987) Agricultural Marketing in India, Oxford & IHB Publishing Co, New Delhi.
2. Berry, B.J.L. (1967) Geography of Market centers and Retail Distribution. Prentice Hall, Englewood cliffs, N.J
3. Davis, R.L. (1976) Marketing Geography, Methuen, London,
4. Dixit, R.S. (1984) Marketing Centers and their spatial development in the Umland of Kanpur, Allahabad
5. Garnier, B, J and Delobez. A (1977) Geography of Marketing, Longman, London.
6. Khan.N (1991) Agriculture development and Marketing, H.K. Publisher, New Delhi
7. Losch, A (1954) Economics of Location. Yale University press, New Heaven.
8. N.C.A.E.R (1983) Market towns and Spatial Development in India, NCAER, N.D.
9. Saxena, H.M (1984) Geography of Marketing. Concepts and Methods, New Delhi.
10. Saxena, P. Marketing and Sustainable Development. Rawat Publication, New Delhi.
11. Singh, G.N. (1987) Agricultural Marketing in India, Hugh Publication, Allahabad
12. Rajgopal (2001) Rural Marketing. Rawat Publication, New Delhi

Dr. J. P. Yadav
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Board of Studies

28.4.2022
Dr. Anju Singh

M.A./ M.Sc IN GEOGRAPHY SEMESTER - III

Paper - IV (A)

CULTURAL GEOGRAPHY

Paper code: A110904T

Unit-1

Nature and Scope of Cultural Geography; Approaches and Development; Relationship of Culture with Environment; Resources and Technology.

Unit-2

Major Concepts-Cultural Diffusion, Material Culture, Cultural Landscape and Cultural Ecology; Origin & Dispersal of Man.

Unit-3

Origin, Types & Dispersal of Human Races; Racial Composition of India; Linguistic and Religious Structure of the World.

Unit-4

Domestication of Plants and Animals; Renewal and Dispersal Activities of Crops – Paddy, Maize, Sugarcane and Rubber; Agricultural Practices and Innovations; Industrial and Technological Revolution.

Or

Globalization and Cultural Development; Ecological Impact of Population Explosion; Cultural Hearths; Major Cultural Realms and Regions of the World.

Books Recommended :

1. Spencer, J.E. and Thomas, W.L. (1978) : Introducing Cultural Geography, John Willey and Sons, New York.
2. Wagner, P.J. and Mikesell, M.W. (1962) : Readings in Cultural Geography, University of Chicago Press.
3. Rostlund, F. (1988) : Outline of Cultural Geography, California Book Co. Berkley.
4. Dicken, S.N. & Pitts, F.R. (1970) : Introduction of Cultural Geography : A Study of Man and his Environment, Edwin & Co. Waltham, Massachusetts.
5. Salter, C.L. (1971) : The Cultural Landscape, Durbury Press, California.
6. Carter, G.F. (1998) Man and the Land : A Cultural Geography, Rienhart, New York.
7. Dohus, F.E. & Sommers, L.M. (ed) (1967) : Cultural Geography – Selected Readings, Dunn – Donnally Publishing Corporation, New York.
8. Sopher, D.E. (1978) : Geography of Religions, Prentice Hall, New Jersey.
9. Frazier, E.F. (1957) : Race and Cultural Contacts in the Modern World; A.A. Knopf, New York.
10. Coulborn, R. (1959) : The Origin of Civilized Societies, Princeton University Press, Princeton, New Jersey.
11. Wagner, P.L. (1972) : Environment of People, Prentice Hall, Englewood Cliffs.
12. Dikshit, S.K. & Tripathi, R.D. (2001) : Sanskrit Bhoogol, Vasundhara Prakashan, Gorakhpur.

28.4.2022
Dr. Anju Singh

M.A./ M.Sc IN GEOGRAPHY SEMESTER - III

Paper - IV (B)

ENVIRONMENT AND BIO-GEOGRAPHY

Paper Code: A110905T

COURSE CONTENT

UNIT-1 : Environment and Ecosystem: Concepts and approaches, global environmental problems and sustainable development. River Eco-system (Ganga).

UNIT-2 : Urban Environmental Problems and their Management: Air, water and solid waste.

UNIT-3 : Desert and Coastal Ecosystems: Desertification-process and patterns, management strategies, issues and problems in coastal ecosystem, mangroves, integrated coastal zone management.

UNIT-4 : Mountain Ecosystems: Mountain ecology, risks and vulnerabilities, highland-lowland interactive systems, biodiversity and conservation.

Or

Environmental Governance: Environmental policies and programs, environmental education and legislation

BOOKS RECOMMENDED:

1. Alexander, Mike. 2008. Management planning for nature conservation: A theoretical basis & practical guide, Springer.

2. Balakrishnan, M., 1998. Environmental Problems and Prospects in India, in Das, R.C., et. al. Oxford & IBH Pub., New Delhi.

3. Consensus Study Report, 2005. Valuing Ecosystem Services: Toward Better Environmental Decision-Making, National Research Council, Division on Earth and Life Studies, Water Science and Technology Board, Committee on Assessing and Valuing the Services of Aquatic and Related Terrestrial Ecosystems. National Academies Press, Washington.

4. Das, R. C., 1998. The Environmental Divide: The Dilemma of Developing Countries, A.P.H. Pub., New Delhi

5. Freedman, Bill. 1995. Environmental Ecology: The Ecological Effects of Pollution, Disturbance, and Other Stresses, Academic Press. London.

6. Gole, P., 2001. Nature Conservation and Sustainable Development in India, Rawat Pub., Jaipur.

Hooja, R., et. al., (ed.) 1999. Desert, Drought and Development: Studies in Resource Management and Sustainability, Rawat Pub, Jaipur.

7. Hussain, M., (ed.) 1996. Environmental Management in India, Rawat Pub., Jaipur

8. Munn, T., (ed.) 2001. Encyclopaedia of Global Environmental Change, John Wiley & Sons, West Sussex 7.

9. Ramakrishnan, P. S. 1997. Conservation and Management of Biological Resources in Himalaya, Oxford & IBH Pub., New Delhi.

10. Singh Savindra, 2015. ParyavaranBhoogol. PrayagPustak Bhawan, Allahabad (Hindi).

11. Singh R.B., (ed.) 1990. Environmental Geography, Heritage Pub., New Delhi.

Dr. J. P. Yadav
Convener of Geography
Bod. of Studies

COURSE CONTENTS:

UNIT-1 : Introduction: Defining the city, understanding the different approaches in examining the city and its transformations.

UNIT-2 : Urban Transformations in Historical Contexts: Early cities to industrial cities, global cities, colonial and post-colonial cities.

UNIT-3 : Urban society: Social organisation of the city, emergence of urban cultures and sub cultures, nature of urban economy, Emergence of urban elites and poor.

UNIT-4 : Governing the City: Role of state in urban planning and development, local politics, citizenship and governance.

Or

Contemporary Urban Issues; Urban Poverty; Housing; Slum; Study & Preparation of Master Plan of Selected Cities

SUGGESTED READINGS:

1. LeGates T.R. and Stout F. (ed.) 2016. The City Reader (6th edition), Routledge: London and New York.
2. Andrew, E.G.J, McCann, E and Thomas, M 2015. Urban Geography: A Critical Introduction, Wiley, Blackwell, UK.
3. Bhattacharya, B. 2006. Urban Development in India since Pre-Historic Times, Concept Publishing Company, New Delhi.
4. Bridge, G Watson, S. (eds.) 2010. The Blackwell City Reader (2nd Edition), Wiley-Blackwell, UK.
5. Gilbert, A and Gugler, J (eds.) 1992. Cities, Poverty, and Development: Urbanization the Third World, Oxford University Press, Oxford.
6. Fainstein, S. S and Campbell, S (eds) 2011. Readings in Urban Theory (3rd Edition), Wiley-Blackwell, UK.
7. Hall, T. 2002. Urban Geography (2nd Edition), Routledge: London and New York.
8. Fyfe, N.R and Kenny, J.T. 2005. The Urban Geography Reader, Routledge: London and New York.
9. Latham, A., McCormick, D., McNamara, K., and McNeil, D. 2009. Key Concepts in Urban Geography, Sage: London, California, New Delhi, Singapore.
10. Knox, P and Pinch, S. 2010. Urban Social Geography (6th edition), Pearson: England
11. Brunn, S.D., Hays-Mitchell, M., Ziegler, D.J. 2012. Cities of the World: World Regional Urban Development (5th edition), Rowman and Littlefield Publishers: England
12. Davidson, M. Martin, D. 2013. Urban Politics. Critical Approaches, Sage: London, California, New Delhi, Singapore.

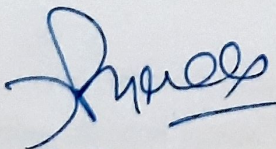
M.A./ M.Sc IN GEOGRAPHY SEMESTER - III
PRACTICAL
Paper Code: A110907P

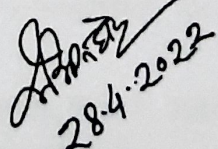
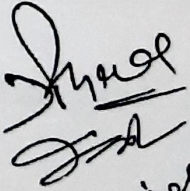
Marks: 100

A- Surveying:	
(i) Levelling and Plotting by Dumpy Level	25
(ii) Measurement of Horizontal and Vertical Angle by Theodolite	25
(iii) Survey by Sextant	25
B-Practical Record and Viva-Voce	25

Books Recommended :

1. Singh, R.L. & Singh, R.P.B. (1991) : Elements of Practical Geography, Kalayani Publishers, New Delhi.
2. Yadav, H.L. (1990) : Prayogatmak Bhoogol, Radha Publications, New Delhi.
3. Sahani, P.B. (2005) : Advance Surveying, New Delhi.
4. Kanetkar, T.P. & Kulkarni, S.V. : Surveying and Leveling, Pune.
5. Davis, R.E. and Foote, F.S. : Surveying - Theory and Practices, Tokyo.
6. Chauhan, P.R. (2005) : Prayogatmak Bhoogol, Vasundhara Prakashan, Gorakhpur.
7. Sharma, J.P. (2000) : Prayogik Bhoogol, Rastogi Publications, Meerut.
8. Tiwari, R.C. and Tripathi, Sudhakar (2001) : Abhinav Prayogatmak Bhoogol, Prayag Pushtak Bhawan, Allahabad.
9. Singh, L.R. (2001) : Practical Geography, Sharda Pustak Bhawan, Allahabad.


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28-4-2022

Dr. Anil Singh

RESEARCH METHODOLOGY

Paper Code: A111001T

COURSE CONTENT

UNIT-1 : Introduction to Geographical Research: Concept, Significance, Types and Approaches to Research in Geography; Literature survey; Research Ethics; Limitations.

UNIT-2 : Research Design: Steps, Identification and formulation of Research Problem; Research questions; Aims and Objectives

UNIT-3 : Data Sources and Methods of Data Collection: Nature of Data: qualitative and quantitative, Primary Data: Field survey, Selection of sample, Questionnaire, Interview, Observation, PRA; Secondary Data

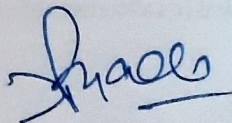
UNIT-4 : Data Analysis: Processing of Data; tabulation, graphic presentation and analysis of Data; Referencing; Structure of dissertation

Or

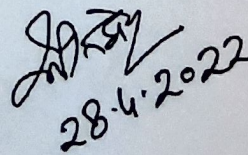
Interpretation of Data and Paper Writing - Layout of a Research Paper, Journals & Online Journals, Impact factor of Journals, When and where to publish? Ethical issues related to publishing, Plagiarism and Self-Plagiarism.

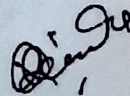
SUGGESTED READINGS:

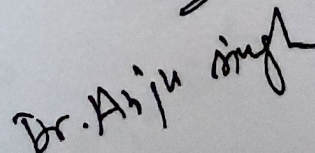
1. Black, James A. and Champion, D.J. 1976. Methods and Issues in Social Research, John Wiley and Sons, New York.
2. Bonnett, Alastair, R. 2008. What Is Geography? Sage, London.
3. Creswell, J. W. 2009. Research Design: Qualitative, Quantitative and Mixed Methods Approaches, Sage, California, USA
4. Gopal, Krishan and Singh, Nina, 2016. Researching Geography: The Indian Context. Routledge, Delhi.
5. Harris, C. 2001. Archival Fieldwork, Geographical Review, 91 (1-2), 328-334
6. Hart, C. 1999. Doing Literature Review: Releasing the Social Science Research Imagination, Sage, London.



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28.4.2022




Dr. Arjun Singh

INDUSTRIAL GEOGRAPHY

Paper Code: A111002T

Unit-1 Meaning and Scope of Industrial Geography; Industrial Revolution and its Consequences; Trends of Industrialization in India & Abroad.

Unit-2 Factors of Location of Industries; Theories of Industrial Location - Weber, Hoover, Losch; Industrial Complexes.

Unit-3 Centralization and Decentralization of Industries, Linkages of Industries; Industrial Regions of World and India.

Unit-4 Distribution and Spatial Pattern of Iron & Steel, Textile, Sugar & Fertilizer Industry; Industries and Economic Development, Problems and Prospects of Industrial Sprawl.

Or

Impact of Globalization on Industrial Development, Industrial Policies and their Implications in

Industrialization in India, Sustainable Industrial Development.

Books Recommended :

1. Alexanderson, C. (1967) : Geography of Manufacturing, Prentice Hall, India.

2. Miller, A. (1962) : Geography of Manufacturing, Prentice Hall, New Jersey.

3. Kumar, Pramila & Sharma, S.K. (1985) : Industrial Geography (Hindi), M. P. Hindi Granth Academy, Bhopal.

4. Seth, V.K. (1987) Industrialization in India: Spatial Perspective, Delhi Commonwealth Publication.

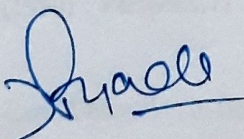
5. Sinha, B.N. (1987) : Industrial Geography of India, Oxford Book House, New Delhi.

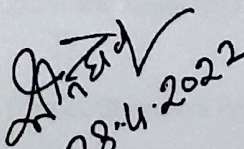
6. Sharma, V.N. (2001) : Spatial Pattern of Industrial Development in M.P., Radha Publication, New Delhi.

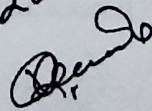
7. Smith, D.M.(1982) Industrial Location : An Economic Geographic Analysis, John Wiley & Sons, New York.

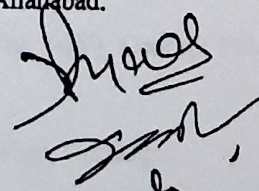
8. Weber, Alfred (1957) : Theory of Location of Industries, Chicago University Press.

9. Kuchhal, S.C. (1997) Industrial Economics of India, Chaitanya Publication, Allahabad.


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28-4-2022




Dr. Anil Singh

M.A./ M.Sc IN GEOGRAPHY SEMESTER-IV

Paper - III

AGRICULTURE GEOGRAPHY

Paper code: A111003T

(i) Agricultural Geography

Unit-1 Definition and Scope of Agricultural Geography; Land Capability Classification with Special Reference to India.

Unit-2 Land Use Classification with Special Reference to India. Carrying Capacity of Land; Kostrowicki's Classification of World Agriculture.

Unit-3 Methods of Agricultural Productivity Measurement - Kendall's Ranking Coefficient Method, Weighted Ranking Coefficient Method.

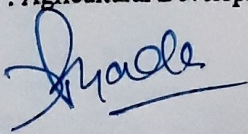
Unit-4 Delimitation Method of Crop Combination Regions by Weaver and Doi; Cropping Intensity and Diversification; Measurement of Level of Agricultural Development.

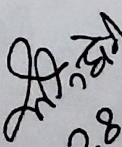
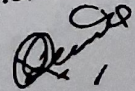
Or

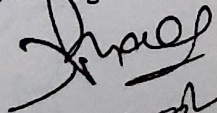
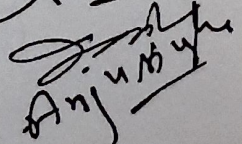
Impact of Modern Agriculture on Environment; Concept of Agricultural Development, Sustainable Agriculture.

Books Recommended :

1. Misra, R.P. (1968) : Diffusion of Agricultural Innovation, Concept Publication, New Delhi.
2. Singh, B.B. (1979) : Agricultural Geography (Hindi), Gyanodaya Prakashan, Gorakhpur.
3. Pandey, J.N. & Kamlesh, S.R. (2003) : Agricultural Geography (in Hindi), Vasundhara Prakashan, Gorakhpur.
4. Tiwari, R.C. & Singh, B.N. (1994) : Agricultural Geography (Hindi), Prayag Pushtak Bhawan, Allahabad.
5. Kumar, Pramila & Sharma, S.K. (1990) : Agricultural Geography (Hindi), M.P. Hindi Granth Academy, Bhopal.
6. Singh, Jasbir & Dillon, S.S. (1984) : Agricultural Geography, Tata Mc Graw Hill Pub., New Delhi.
7. Hussain, Majid (1998) : Agricultural Geography, Rawat Publications, Jaipur.
8. Negi, B.S. (1980) : Agricultural Geography, kedarnath Ramnath, Meerut.
9. Mohammad, Noor (1980) : Perspectives in Agricultural Geography (Vol. I-IV), Concept Pub. Co., New Delhi.
10. Giri, H.H. (1975) : Land Utilization in Gonda District, Shivalaya Prakashan, Gorakhpur.
11. Singh, S.N. (1994) : Agricultural Development in India, Kaushal Publications, Shillong.


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28.4.2022




Do Anjuman

M.A./ M.Sc IN GEOGRAPHY SEMESTER-IV

Paper - IV (A)

RURAL GEOGRAPHY

Paper Code: A111004T

COURSE CONTENTS:

UNIT-1 : Concept and scope of rural geography; different approaches to study rural Geography; concept and significance of rural development: Indicators of rural development.

UNIT-2 : Rural Settlements: Definition and characteristics; Types and patterns of rural settlements and their distribution with special reference to spacing, rural house types, based on building materials, size and shape.

UNIT-3 : Rural infrastructure facilities and amenities, New Agricultural technology: Rural transportation, rural education, rural industries and rural marketing.

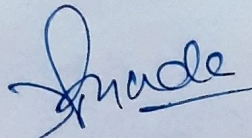
UNIT-4 : Critical review of rural development strategies in India; Integrated Rural Development Programme (I.R.D.P.), Community Development Programmes.

Or

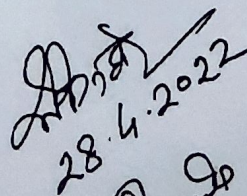
Mahatma Gandhi National Rural Employment Guarantee Act (MNREGA), National Rural Health Mission (NRHM), Soil Health Card, National Fertilizer Policy

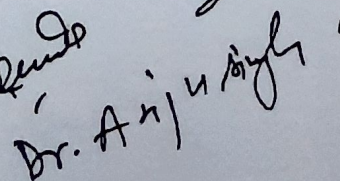
BOOKS RECOMMENDED :

1. Singh Kartar., Rural Development: Principles, Policies and Management.
1. Maheshwari, R.S., Rural Development in India.
2. Clout, S.D., Rural Geography.
3. Husain, Majid., Agricultural Geography, New Delhi.
4. Bell, G.(Ed.), Strategies for Human Settlements: Habitat and Environment.
5. Chisholm, M., Rural Settlement and Land Use.
6. Singh, R.L. et.al: Readings in Rural Settlement Geography.
7. Singh, K.N.(Ed.) Rural Development in India: Problems, Strategies and Approaches.
8. Wanmali, Sudhir., Service Centres in Rural India.
9. Mishra, H.N.(Ed.) Rural Geography.
10. PPrubs.a Hdo, uRs.e ,& N Sewar kDaerl hSi.. , Rural India –Socio-political development, Vol. I & II, Global Vision
11. Khullar D.R. India-A Comprehensive Geography, Kalyani Pub. New Delhi.



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28.4.2022


Dr. Anju Singh

M.A./ M.Sc IN GEOGRAPHY SEMESTER-IV

Paper IV (II)

DEMOGRAPHIC TECHNIQUES

Paper Code: A111005T

COURSE CONTENT

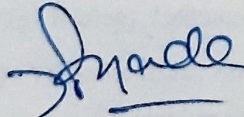
- UNIT-1 : Introduction to Basic Concepts and Measures: rate, ratios, proportions, person-years of life.
UNIT-2 : Sources of Demographic Data: census, vital statistics, surveys, UN/ other government publications.
UNIT-3 : Population Age-structures: quality of data and adjustments
UNIT-4: Basic Measures of Mortality and Life Table; Fertility and Nuptiality; Migration and Urbanization

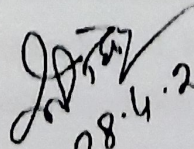
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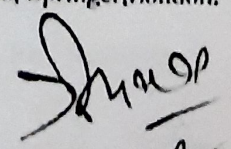
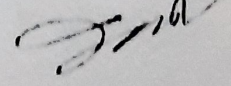
Population Projections

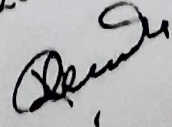
BOOKS RECOMMENDED

1. Carmichael, G.A. 2016. Fundamentals of Demographic Analysis: Concepts, Measures, and Methods, Springer, London.
2. Hinde, A. 2009. Demographic Methods, Routledge, London.
3. Moultrie, T.A., Dorrington, R.E., Hill, A.G., Hill, K., Timaeus, I., and Zaba, B. (eds.) 2013. Tools of Demographic Estimation, Paris: International Union for the Scientific Study of Population.
4. Office of the Registrar General of India, and United Nations Population Fund, 2014. Training Manual on Demographic Techniques. New Delhi: ORGI, UNFPA-India.
5. Preston, S., Heuveline, P., and Guillot, M. 2000. Demography: Measuring and Modelling Population Processes, Wiley-Blackwell, Oxford.
6. Seigal, J.S., and Swanson, D.A. (eds.) 2004. The Methods and Materials of Demography. 2nd edition, San Diego, CA: Elsevier Academic Press.
7. Watcher, K.W. 2014. Essential Demographic Methods, Cambridge, MA: Harvard University Press.
8. Yusuf, F., Martins, J.M., Swanson, D.A. 2014. Methods of Demographic Analysis, Springer, London.


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28.4.2022


Dr. Ajay Singh

M.A./ M.Sc IN GEOGRAPHY SEMESTER-IV

Paper - IV (C)

GEOGRAPHY OF HEALTH

Paper Code: A111006T

Unit-1 Meaning, Scope, Significance, Development, Methods and Techniques of Geography of Health, Geographical factor affecting human health & diseases - Physical, Social, Economic and Environmental.

Unit-2 Vital & Health Indices; Classification of Diseases - Genetic, Communicable & Non-communicable, Occupational and Deficiency Diseases; Geography of Hunger and Malnutrition.

Unit-3 Pattern of Distribution of Major Diseases in the World; Ecology, Etiology and Transmission of Major Diseases - Cholera, Malaria, Tuberculosis, Hepatitis, Cancer, AIDS and STDs and their Regional Patterns with special reference to India.

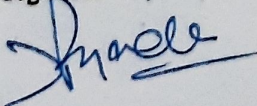
Unit-4 Disease Diffusion Models and Health Care Accessibility Models; Health Care System - International Level - WHO, UNICEF & Red Cross; National Level - Government and NGO's.

Or

Health Planning and Policies in India; Family Welfare; Immunization, National Disease Eradication, Aayushman Bharat Yojana & Health for all.

Books Recommended :

1. Cliff, A. & Haggett, P. (1989) : Atlas of Diseases Distribution, Basil Blackwell, Oxford.
2. May, J.M. (1970) : The World Atlas of Diseases, National Book Trust, New Delhi.
3. May, J.M. (1959) : Ecology of Human Diseases, M.D. Pub., New York.
4. Mc Glashan, N.D. (1972) : Medical Geography, Methuen, London.
5. Pyle, G. (1979) : Applied Medical Geography, Winston Halsted Press, Siver Spring, M.D. USA.
6. Akhtar, Raise (1971) : Environment and Health, New Delhi.
7. Learmonth, A.T.A. (1978) : Pattern of Disease and Hunger : A Study in Medical Geography, David & Charles, Victoria.
8. Akhtar, Raise & Learmonth, A.T.A. (1979) : Geographical Aspect of Health and Disease, New Delhi.
9. Shrivastava, Saroj (1993) : Medical Geography of Saryupar Plain, IRED, Gorakhpur.
10. Singhi, G.C. (1999) : Medical Geography (Hindi), Vasundhara Prakashan, Gorakhpur.
11. Bose, Kausik (2006) : Ecology, Culture, Nutrition, Health and Diseases, Kamla Raj Enterprises.
12. Singh, Rita (1998) : Vedic Medicine, Anmol Publication Pvt. Ltd., New Delhi.
13. World Health Organization (2003) : The World Health Report, Geneva.


Dr. J. P. Yadav

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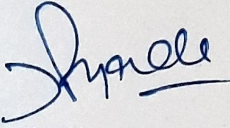
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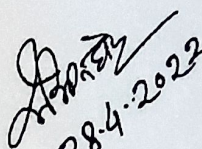
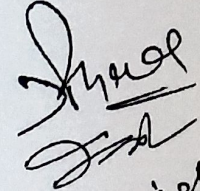
M.A./ M.Sc IN GEOGRAPHY SEMESTER-IV

Practical
Paper Code: A111007P

Marks: 100

- A. Survey Camp 70
Contouring and Plotting of an Area (Outside of the Campus) given by the Head/ Chairman of the Department for at least 2 to 4 days.
Note: The TA, DA and other expenses on teachers and attendants will be met out by the college.
- B. Practical Record and Viva-Voce 30


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28.4.2022

Dr. Anil Singh

COURSE OBJECTIVES:

1. The Students will be taught how to write a project report / dissertation.

COURSE CONTENT

1. The students of M.A/ M.Sc in Geography 4th Semester may have to be selected a specific theme/topic for a Project work. The students may select some of the following themes for their project.

- a. Land Evaluation
- b. Land-use / Land cover Analysis
- c. Water sources
- d. Slope Studies
- e. Climate
- f. Settlement Studies
- g. Agriculture Studies
- h. Health studies
- i. Infrastructure Studies
- j. Vegetation Studies

2. GIS, GPS & RS methods have to be used with appropriate primary and secondary data.

3. The students should follow the research guidelines by reading Research Methodology before taking up the Project work.

4. The project should no cross 50 pages including photos, references and tables.

- 5 Project work must include quality maps, diagrams and flowcharts.

6. The project report should include followings:

- a. Title of the project
- b. Introduction
- c. Review of Literature
- d. Study Area
- e. Data sources
- f. Main Objective
- g. Materials and methods
- h. Results & Discussion
- i. Conclusion
- j. Photos
- k. References

Handwritten notes and signatures:
28.4.2022
Dr. Anju Singh

BOOKS RECOMMENDED

1. Archer J. E. & Dalton T.H. (1968) : The fields work in Geography, E. T. Batsford Ltd., London
2. Haring, Lloyed (1975) : Scientific Geographic Research W. C. Brow Company USA.
3. Johnes, P.A. (2008) : Field work in Geography, Longman.
4. Kothari C. R. (1996) : Research Methods, Vishwas Prakashan, New Delhi.

Handwritten signature:
Dr. J. P. Yadav
Coordinator of Geography
Board of Studies
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