



बिलासपुर विश्वविद्यालय, बिलासपुर (छ.ग.) से संबद्ध
समस्त स्नातकोत्तर (शासकीय एवं अशासकीय) महाविद्यालयों में
सत्र 2016-17 से लागू सेमेस्टर पद्धति के अनुसार
नियमित छात्रों के लिए
सेमेस्टर पाठ्यक्रम

एम.ए. (मास्टर ऑफ आर्ट्स)
M.A. (Master of Arts)

विषय - भूगोल
Subject – Geography

बिलासपुर विश्वविद्यालय, बिलासपुर (छ.ग.)

पुराना हाईकोर्ट भवन, गांधी चौक, बिलासपुर (छ.ग.) 495001,
फोन : 07752-220031, 220032, 220033 फैक्स 07752-260294,
ई-मेल : bilaspur.university2012@gmail.com,
वेबसाईट : www.bilaspuruniversity.ac.in

BILASPUR UNIVERSITY,

BILASPUR (C.G.)



SYLLABUS

M.A. GEOGRAPHY

SEMESTER –I, II, III & IV

M.A. GEOGRAPHY SEMESTER – I

M.A. Geography Semester I shall consist the following papers :

S.No.	Paper	Title of Papers	External		Internal		Total
			Max.	Min.	Max.	Min.	
1.	I	Geomorphology	80	29	20	7	100
2.	II	Climatology	80	29	20	7	100
3.	III	Evolution of Geographical Thought	80	29	20	7	100
4.	IV	Geography of India	80	29	20	7	100
5.	V	Practical - I	-	-	-	-	100

1. The M.A. Semester – I examination in Geography shall consist of 500 marks.
2. The theory papers shall be of three hours duration.
3. Candidates will be required to pass separately in theory and practical examination.
4. a) In the practical examination the following shall be allotment of time and marks.
 - i) Practical Record 20%
 - ii) Lab work (up to three hours) 70%
 - iii) Viva on i and ii 10%
- b) The external and internal examiners shall jointly submit marks.
- c) All the candidates shall present at the time of the practical examination their practical record regularly signed by the teachers concerned.

[Handwritten Signature]
[Handwritten Signature]

SEMESTER – I
GEOMORPHOLOGY
PAPER - I

OBJECTIVES :-

It being a course at the interface of Geography with earth, the student has to be sensitized to background knowledge of geology and environmental sciences. The objectives of the course is to familiarize the students with the need for understanding of geomorphology with reference to certain fundamental concepts, focusing on the unity of geomorphology in the earth materials and the Process component of geomorphology is segmented into the internal and external processes of landscape evolution.

Finally a few selected applications of geomorphology to social requirements and quality of environment are dealt with.

COURSE CONTENTS :-

Unit 1:

Nature and scope of Geomorphology. Fundamental concepts :- Geological structures and land forms, multicyclic and polygenetic evolution of land scapes, concept of threshold. Interior of the earth.

Unit 2

Earth Movement

Epeirogenic(Wegner Theory), Orogenic earth movements. with reference to the evolution of the Himalaya. Forces of crustal instability: - Faults & Folds. Isostasy, Geosynclines, plate tectonics, volcano, earth quack .

Unit 3

Exogenic processes :- Concept of gradation ; agents and processes of gradation. Weathering:- causes, types and classification, Cycle of erosion-Pench & Devis

Unit4

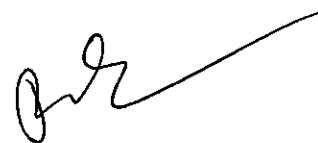

Geomorphic processes: Erosion and depositional processes of Fluvial, Glacial, Aired, Marine and Karst and resulted landforms.

Unit 5

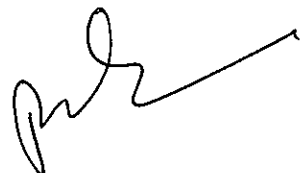

Application of geomorphology in Hydrology, Urban Geography, Environment Geomorphology, Geomorphological Hazards.

Suggested Readings :-

- 1- Chorley. R.J. Spatial Analysis in Geomorphology, Methuen, London 1972.
- 2- Dury. G.H. : The Face to the Earth, penguin Harmondsworth 1959.
- 3- Fairbridge. R.W. Encyclopedia of Geomorphology. Reinholdts. New York. 1968.
- 4- Garner, H.F. : The Origin of landscape - A Synthesis of Geomorphology, Oxford University Press, London, 1974.


 3

- 5- Sparks. B.W. geomorphology Longman, Doldon. 1960.
- 6- Sharma, H.S. (ed.) : Perspectives in Geomorphology, Concept. New Delhi 1980.
- 7- Singh, S : Geomorphology, Prayag Publication. Allahabad 1998.
- 8- Thornbury, W.D. Principles of Geomorphology, John Wiloy, New York 1960.
- 9- Strahler, A.N. : Physical Geography, Willey, New York.
- 10- कौशिक, एस.डी. : भू-आकृति विज्ञान
- 11- नेगी, बी.एस. : भू-आकृति विज्ञान
- 12- दयाल परमेश्वर : भू-आकृति विज्ञान
- 13- सिंह, सविन्द्र सिंह : भू-आकृति विज्ञान

SEMESTER - I
PAPER - II
CLIMATOLOGY

OBJECTIVES :

The main objectives of the course is to provide.
Understanding of weather phenomena and generation of climatic
phenomena and Dynamics of global climate.

COURSE CONTENTS:-

Unit 1

Nature and scope of climatology and its relationship with meteorology. Composition and structure of atmosphere. Insolation and heat balance of the earth. Green house effect. Temperature: - Vertical, horizontal and regional distribution.

Unit 2

Air pressure, Atmospheric motion :- Permanent wind, Local wind, and Jet stream, and monsoon winds. Humidity, evaporation

Unit 3

Precipitation: - Types world pattern precipitation, Acid rain. Concept of Air masses and fronts. Cyclones., EL Nino, and La Nina.

Unit 4

Classification of climates: - koppen, & Thorntwaite, General classification of world climate(temperate, desert, and Tropical)

Unit 5

Climate change geological and historical times, evidences, possible causes. and global warming, Applied climatology Depletion of ozone layer.

SUGGESTED READEINGS:-

1. Barry, R.G. and Chorley P.J. : Atmosphere, Weather and Climate, routledge London and New York, 1998.
2. Critchfield JH : General Climatology. Prentice Hall, India. New Delhi. 1987.
3. Das, P.K. : Monsoons National Book Trust. New Delhi, 1987.
4. Fein, J. S. and Stephens, P. N. : Monsoons Wiley Interscience.
5. India Met. Deptt. Climatological Tables of Observatories in India. Govt. of India 1968.
6. Lal D.S. : Climatology, Chaitanya publication, Allahabad. 1986.
7. Lydolph. P.E. : The Climate of the Earth. Rowman. 1985.
8. Menon P.A. : Our Weather, N.B.T. New Delhi, 1989.
9. Peterson, S. : Introduction to Meteorology Mc Graw Hill Book. London. 1969.
10. Robinson. : P.J. and Henderson S: Contemporary Climatology. Henlow. 1999.


osad 5

SEMESTER - I
PAPER - II
EVOLUTION OF GEOMORPHICAL THOUGHTS

OBJECTIVES :

To introduce the students to the philosophical and methodological foundations of the subject and its place in the world of knowledge. To familiarize them with the major landmarks in development of geographic thought at different periods of time.

COURSE CONTENTS :

Unit 1

The field of geography :- Its place in the classification of science, geography is a social science and natural science. Selected concepts in the philosophy of geography :- Distribution, Relationship, Interactions, areal differentiation and spatial Organization.
Dualism in geography :- Determinism/ possibilism, systematic / Regional.

Unit 2

Classical Age :- The beginning of geography in classical age, contribution of Greek and Roman to geography, Geography in ancient Indian period. contribution by Arab geographers.

Unit 3

Contribution of various schools of thought in Modern geography

- (i) German school of geographic thought Humboldt, Ritter, Richthofen & Ratzel.
- (ii) French School of geographic thought - Blache, Brunhes.
- (iii) American geographic thought - Davis, Sampson.
- (iv) British geographic thought - Mackinder, Hartshorn, Stamp

Unit 4


Scientific Explanation: Routes to scientific explanation (Inductive/Deductive), Laws, Theories and Models in Geography, Quantitative Revolution

Unit 5

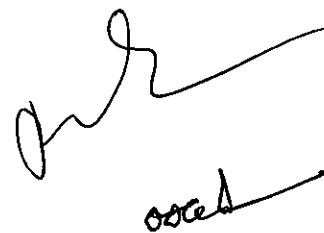
Philosophy of Positivism, Behaviouralism, Radical Geography, Status of Indian Geography, Future of Geography.

SUGGESTED READINGS :-

1. Abler, Ronald; Adams, John S. Gold, Peter : Spatial Organization : The Geographers view of the world, Prentice Hall, N. J. 1971.
2. Ali S. M. : The Geography of Puranas, Peoples Publishing House, Delhi. 1968.
3. Amedeo, Douglas : An Introduction to Scientific Reasoning in Geography, John Wiley, U.S.A. 1971.
4. Dikshit, R. D. (ed.) : The Art & Science of Geography Rand Mc Nally & Co. 1959.
5. Hartshorn, R. : Perspectives on Nature of Geography Rand Mc Nally & Co. 1959.
6. Husain, M. : Evolution of Geographic Thought, Rawat Pub. Jaipur, 1984.
7. Johnston, R. J. : Philosophy and Human Geography, Edward Arnold. London, 1983.
8. Johnston, R. J. : The Future of Geography, Methuen, London, 1988.


6

9. Minshull, R. : The Changing Nature of Geography, Hutchinson University Library, London, 1970.
10. Ali, S. M. : Arab Geography.
11. Taylor, G. : Geography in the 20th Century.
12. Dikshit, R. D. : Geographical Thought : A Contextual History of Ideas, Prentice Hall of India, New Delhi.
13. Harvey D. : Explanation in Geography.
14. सिंह उजागिर : भौगोलिक चिन्तन का विकास
15. त्रिपाठी एवं बिरले : भौगोलिक चिंतन का विकास एवं विधितंत्र
16. कौशिक, एस.डी. : भौगोलिक विचारधाराओं का इतिहास एवं विधितंत्र
17. सिंह, जगदीश : भौगोलिक चिंतन का मूलाधार
18. श्रीवास्तव बी.के. : भौगोलिक चिंतन के आधार
19. जैन एम.एस. : भौगोलिक चिंतन का विकास एवं विधितंत्र
20. हुसैन माजिद – भौगोलिक चिंतन



SEMESTER - I
PAPER – IV
GEOGRAPHY OF INDIA

OBJECTIVES :

To understand India in terms of various regional divisions, their important characteristics, Intra-regional and inter-regional linkages ; to analyses the natural and human resource endowments, their conservation and management :

To sensitize the students with development issues and policies and programmes designed for regional development.

COURSE CONTENTS :-

Unit 1

India in the context of Asia and the World, Major Physical Units and their Characteristics, Geological Structure , Drainage, The Indian Monsoon, Climatic division, Soil types-their characteristics, Distribution, Natural Vegetation types and distribution.

Unit 2

Agriculture: Major characteristics and problems of Indian Agriculture, Major Crops: Paddy, Wheat, cotton, Sugarcane , oilseeds, tea, Coffee, Agricultural region , green revolution , Irrigation Development in India and its spatial pattern

Unit 3

Mineral and Power resources :- Reserves, Production and Problems of conservation of major minerals :Iron ore, manganese, Bauxite, Copper. Power resources coal, petroleum, Hydro-Electricity.

Unit 4

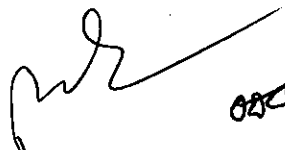
Industry :- Industrial development; an overview, Locational factors and spatial pattern of major industries in India-Iron & steel , cement, cotton Textile cement, sugar , Industrial regions of India.

Unit 5

Population :- Distribution and growth. Basis of regional division Macro ,Meso and Micro Region .Regional classification of India by R.L. Singh

SUGGESTED READINGS :-

- 1- Das, P. K. : The Monsoon. National Book Trust of India, New Delhi.
- 2- Government of India : The Gazetteer of India. Vol. 1 : The land and people. Publication Division, New Delhi.
- 3- Deshpande, C.D. : India- A Regional Interpretation. Northern Book Centre, New Delhi.
- 4- Mukherjee, A. B. & A. Aijazuddin, eds. : India-Culture, Society & Economy. Inter India, New Delhi.
- 5- Sharma, T. C. & O. Coutinho : Economic and Commercial Geography of India, Vikash Publication , New Delhi.
- 6- Singh, Jagdish : India. Gyanodaya, Gorakhpur.
- 7- Singh, M. B. : Industrial Development in India. Lotus, Varanasi, 1985.


02021 8

- 8- Singh, R. L. E. : India - A Regional Geography. National Geographical Society of India. Varanasi, 1971.
- 9- Sinha, B. N. : Industrial Geography of India. The World Calcutta and Economy. Methuen, London.

nr
soed

**SEMESTER – I
PAPER - V
PRACTICAL**

OBJECTIVES

To apprise the student with latest trends in the development of cartography as a tool in mapping thematic and quantitative data to facilitate spatial analysis and synthesis.

To enhance the skill of the students in field of survey and to understand the basic principles of map making.

COURSE CONTENT

Topographical Information : International Series, South East Asia Series, Indexing , Classification and interpretation of topographical sheets, profiles

Morphometric Analysis: Hypsometric curve, Altimetric curve, histogram, Clinograph, Slope Analysis, Wentworths Method

Graphs and diagrams :- Traingular Diagram, Ergograph. , rainfall dispersion diagram Proportional circle , Spheres and cubes.

SUGGESTED READINGS:

1. Monk house, F. J. & H. R. Wilkinson : map and Diagrams, methuen, London.
2. Singh, L. R. : Practical Geography.
3. शर्मा, जे.पी. : प्रायोगिक भूगोल
4. चौहान, पी.आर. : प्रयोगात्मक भूगोल
5. यादव, हीरालाल, प्रायोगिक भूगोल



M.A. GEOGRAPHY SEMESTER – II

M.A. Geography Semester-II shall consist the following papers :

S.No.	Paper	Title of Papers	External		Internal		Total
			Max.	Min.	Max.	Min.	
1.	VI	Oceanography	80	29	20	7	100
2.	VII	Economics Geography	80	29	20	7	100
3.	VIII	Social Geography	80	29	20	7	100
4.	IX	Geography of Chhattisgarh	80	29	20	7	100
5.	X	Practical - II	-	-	-	-	100

1. The M.A. Semester – II examination in Geography shall consist of 500 marks.
2. The theory papers shall be of three hours duration.
3. Candidates will be required to pass separately in theory and practical examination.
4. a) In the practical examination the following shall be allotment of time and marks.
 - i) Lab work (up to three hours) 40%
 - ii) Field Surveying (Up to 03 hours) 30%
 - iii) Practical Record 20%
 - iv) Viva on i and ii 10%
- b) The external and internal examiners shall jointly submit marks.
- c) All the candidates shall present at the time of the practical examination their practical record regularly signed by the teachers concerned.

[Handwritten Signature]
[Handwritten Signature]

**SEMESTER - II
PAPER- VI
OCEANOGRAPHY**

OBJECTIVE

The objective of the course are to introduce students to the many facets of Oceans, Such as, evolution of the oceans, Physical and chemical properties of sea water, atmospheric and oceanographic circulation, The fascinating world of marine life and the characteristic of marine environment and the impact of man on the marine environment.

COURSE CONTENTS :-

Unit 1

Nature and scope & Oceanography, History of Oceanography. Distribution of land and water. Major features of ocean basin :- Continental shelf, Continental slope, deep sea plains and Oceanic deep.

Unit 2

Physical and chemical properties of sea water, Temperature and salinity, density of ocean water.

Unit 3

Inter link between atmospheric circulation and circulation patterns in the Oceans :- Surface currents, waves and tides.

Unit 4

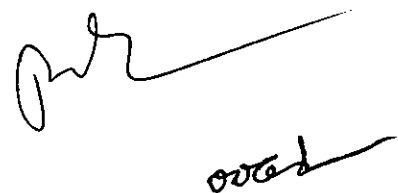
Marine biological environmental :- Bio-zones of the Ocean, Types of organisms, plankton, Nekton and Benthos, Ocean Deposits and Formation of Coral reefs

Unit 5

Food and mineral resources of the sea. Impact of Human on the marine Environment
Major Ocean routes of the world

SUGGESTED READEINGS :-

1. Davis. Richard J. A. Oceanography. An introduction to the Manne Environment. Wm C. Brown Lowa 1986.
2. Gross, M. Grant Oceanography for Geographers 1962.
3. Lal D. S. :- Climatology and Oceanography. sharda pustak Bhavan. Allahabad.
4. Sharma. R. C. "The Oceans" Rajesh N. Delhi 1985.
5. Ummerkutty. A.N.P. Science of the Oceans and Human Life. NBT New Delhi 19



SEMESTER - II
PAPER- VII
ECONOMIC GEOGRAPHY

OBJECTIVES :

The Economy of the world is changing in recent times. The changes in primary, secondary and tertiary stage is dynamic in nature in view of this, the objectives of this course are to integrate the various factors of economic development to acquaint the students about dynamic aspects of economic geography.

COURSE CONTENTS :

UNIT-I

I Scope content and recent trends in economic geography, relation of economic geography, with economics and other branches of social sciences, Classification of economics sectors of economy (Primary, Secondary, and, tertiary) Location of economic activities.

UNIT-II

Factors of location of economic activities : Physical, Social economic and cultural, Principles governing exploitation of minerals, world distribution and production of iron ore, manganese, copper, tin, zinc, bauxite, coal and petroleum.

UNIT-III

Manufacturing of Industries : Resource base and foot loose industries, Theories of Industrial location – Weber, Losch and Isard : Location and distribution of selected industries Iron and Steel, aluminium, Chemical, Oil refining and Petrochemical, Engineering, Textile etc.

UNIT-IV

Transport and Trade – Factors governing land, Oceanic and airtransport, accessibility and connectivity, major international railways and oceanic routes. Trade –Trade laws, world trade patterns.

UNIT-V


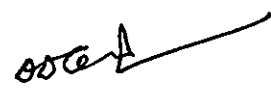
V Economic development of India, Regional disparities, impact of green revolution on Indian economy, Industrial development during plan period.
Globalization and Indian economy and its impact on environment.

SUGGESTED READING :

1. Berry J.L. Geography of Market Centres and Retail Distribution, Prentice hall, New York 1967.
2. Chatterjee. S.P. Economic Geography of Asia. Allied Book Agency Calcutta 1984.
3. Chorley, R.J. and Haggett, P. (ed.) : Network analysis in Geography, Arnold 1969.

4. Eckarsley R. (ed.) Markets The state and the Environment. MacMillan, London 1995.
5. Hamilton, F.E.I. : Spatial Perspecitves on Industrial Organisation and Decision making, John Wiley, New York, 1974.
6. Hamilton, I. (ed.) Resources and Industry, Oxford University press, New York, 1992
7. Morgan, WB and Munton R.J.C. Agricultural Geography, Methuen, London, 1977.
8. Pachuri R.K. Energy and Economic Development in India, preger, New York 1977.
9. Robertson, D. (ed.) Globalization and Environment, E. Elgar Co. U.K. 2001.
10. Rostow, W.w. The Stages of Economic Growth Cambridge University press. London 1960.
11. Singh J. and Dhillon, S.S. Agricultural Geography, McGraw Hill India, New Delhi, 1984.
12. Symons. L. : Agricultural Geography Bell and Sons, London, 1972.
13. Wheeler J.O. Et. Al. Economic Geography John Wiley New York 1995.
14. काशीनाथ सिंह एवं जगदीश सिंह – आर्थिक भूगोल के मूल तत्व ।
15. प्रमीला कुमार एवं श्री कमल शर्मा – कृषिण भूगोल, पांचवा संस्करण म.प्र. हिन्दी ग्रंथ अकादमी, भोपाल ।
16. प्रमीला कुमार एवं श्री कमल शर्मा – औद्योगिक भूगोल, म.प्र. हिन्दी ग्रंथ अकादमी भोपाल ।

--00--

**SEMESTER II
PAPER VIII
SOCIAL GEOGRAPHY**

UNIT 1

Definition scope and meaning of social geography and its nature and relationship with other social sciences. Development of social geography, Approaches to the study of social geography.

UNIT 2

Concept of Society: Social Environment, Geographic bases of Social Formation, Social eography of India- Social stratification , Caste , and Class, Social Organisation and groups , Religion and linguistic group of India. Evaluation of Socio-Culture region of world and India.

UNIT 3

Social Well Being : Meaning and indicators of social well being. Quality of life Pattern and bases of rural and urban society. Deprivation and Discriminations issues relating to women and under privileged group

UNIT 4

Social geography of Chhattisgarh: Social groups and linguistic regions of Chhattisgarh, Cultural Realms and cultural Region of Chhattisgarh, Human Resource Development of Chhatisgarh with social, Economical .and Environmental Indicators

UNIT 5

Social Development Planning: Meaning and importance ,Public Policy and social Planning in India , Review of Five Years Plans Strategies to improve social well being in Tribal, Hill, Flood Prone Area

SUGGESTED READINGS :-

- 1- Ahmad Aijazuddin, Social Geography, Rawat Publication, New Delhi, 1999.
- 2- De Blij. H.D. Human Geography, John Wiley and son, New York.
- 3- Dreze Jean, Amariya Sen, Economic Development and Social Opportunity. Oxford University Press, New Delhi 1999.
- 4- Dubey, S.C. : Indian Society, National Book Trust, New Delhi, 1991.
- 5- Gregory, D. and J. Larry (Eds.) Social relations and spatial structures, MCMillan, 1985.
- 6- Haq, Mahbulbul : Reflection on Human Development, Oxford University Press, New Delhi.
- 7- Jones, Emrys, Reading in Social Geography, Oxford University Press, Ely House, London, 1977.
- 8- Jones, Emrys and John Eyles, An Introduction to social Geography, Oxford University Press, London, 1977.
- 9- Maione, Clarence : People of South Asia, Winston, New York, 1974

- 10- Planning Commission, Government of India : Report on Development of Tribal areas, 1981.
- 11- Rao, M.S.A., Urban Sociology in India,
- 12- Schwartzberg Joseph : An Historical Atlas of Socut Asia, University of Chicago Press, (Chicago, 1978).
- 13- Sen, Amartya & Dreze Jean. Indian Development : Selected Regional Perspectives, Oxfort University Press, 1996.
- 14- Smith, David : Geography : A welfare Approach, Edward Arnold, London, 1977.
- 15- Sopher, David An Expolration of India, Cornell University Press, 1980.
- 16- Subba, Rao, Personality of India : Pre and Proto Historic foundation of India and Pakistan, M.S. University Baroda, Vadodai'a 1958.
- 17- मौर्य एस.डी., सामाजिक भूगोल शारदा पुस्तक भवन, 11 युनिवर्सिटी रोड, इलाहाबाद - 2, 2004.

MR
sood

SEMESTER-II
PAPER IX
GEOGRAPHY OF CHHATTISGARH

OBJECTIVES :

The aim of the course is to finalise the student with meso micro region of the country. To prepare the student- for understanding the chhattisgarh region as a dynamic entity emerging from the interaction of the physical and regional structure over time.

COURSE CONTENT

Unit 1

Physical elements of geography of Chhattisgarh :- Location, Extent, Geology, Physical Features, Climate, Drainage, Soil and Vegetation.

Unit 2

Agriculture : Major characteristics, Important Crops –Paddy,Wheat ,Maize, Kodo-Kutaki,,Pulses,Oilseeds,Sugarcane. Agricultural Region and Major agriculture development schemes, Irrigation, Major irrigation projects,

Unit 3

Minerals and power resources.

Iron ore, Bauxite, Manganese, Coal, Hydroelectricity .Industrial development in Chhattisgarh with special reference to iron and steel industries, Cement Industry, Textile Industry, agriculture based industries, Aluminium, Thermal power, Industrial belts of chhattisgarh .

Unit 4

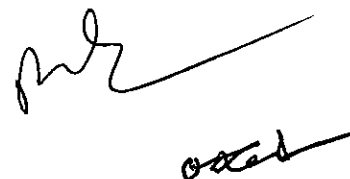
Population Structure: Growth and density of population, Caste structure, literacy, occupation, Tribes of Chhattisgarh Transport, Tourism.

Unit 5

Culture and regional development:: Cultural features of Chhattisgarh,Regional division of Chhattisgarh – Detailed study of Dandkaranya, Samri pat, Jashpur Pat.

SUGGESTED READINGS :-

- 1- Das, P. K. : The Monsoon. National Book Trust of India, New Delhi.
- 2- Government of India : The Gazetteer of India. Vol. 1 : The land and people. Publication Division, New Delhi.
- 3- Deshpande, C.D. : India- A Regional Interpretation. Northern Book Centre, New Delhi.
- 4- Mukherjee, A. B. & A. Aijazuddin, eds. : India-Culture, Society & Economy. Inter India, New Delhi.
- 5- Sharma, T. C. & O. Countinho : Economic and Commercial Geography of India, Vikash Publication , New Delhi.
- 6- Singh, Jagdish : India. Gyanodaya, Gorakhpur.
- 8- डॉ. व्ही.के. तिवारी – छत्तीसगढ़ का भूगोल



**SEMESTER-II
PAPER X
PRACTICAL - II**

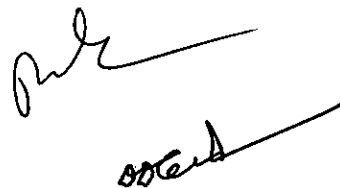
1. Map projection: - Construction of world map projection.
2. Thematic Mapping : Choropleth, Isopleth, Dot Method, Flow Map.
3. Surveying_– Importance of field survey, principles and application of selected survey instruments

Prismatic Compass-

Method of prismatic compass surveying: Radiation, inter section and traverse, correction of bearing, Elimination the closing error, Bow ditch method.

Plane Table-

Plan preparation, methods of plane table surveying-radiation, inter section, traverse & resection method.

Handwritten signature and initials in black ink, consisting of a stylized name and a set of initials below it.

**M.A. GEOGRAPHY
SEMESTER – III**

M.A. Geography Semester-III shall consist the following papers :

S.No.	Paper	Title of Papers	External		Internal		Total
			Max.	Min.	Max.	Min.	
1.	XI	Rural Settlement Geography	80	29	20	7	100
2.	XII	Research Methodology	80	29	20	7	100
3.	XIII	Regional Development & Planning	80	29	20	7	100
4.	XIV	Environment Geography	80	29	20	7	100
5.	XV	Practical - III	-	-	-	-	100

1. The M.A. Semester – III examination in Geography shall consist of 500 marks.
2. The theory papers shall be of three hours duration.
3. Candidates will be required to pass separately in theory and practical examination.
4. a) In the practical examination the following shall be allotment of time and marks.
 - i) Lab work (up to three hours) 40%
 - ii) Field Surveying (Up to 03 hours) 30%
 - iii) Practical Record 20%
 - iv) Viva on i and ii 10%
- b) The external and internal examiners shall jointly submit marks.
- c) All the candidates shall present at the time of the practical examination their practical record regularly signed by the teachers concerned.



**SEMESTER – III
PAPER - XI**

RURAL SETTLEMENT GEOGRAPHY

OBJECTIVES :

The objective of the course are to motivate the students :-

- To understand the growth and evolution of rural.
- To recognise and analyse the distributions, patterns, morphology and functions of rural settlements.
- To analyse and suggest rural settlement planning in India.
- To examine the prevailing social and environmental issues in rural areas of India.

COURSE CONTENTS

Unit 1

Nature, scope significance and development of settlement Geography. Relationship of settlement Geography with other social Science., Concept of settlement Geography.

Unit 2

Meaning, origin, Evolution approaches of settlement. Types of Rural settlement. Rural morphology:- Cultural landscape, elements of rural settlement in different Geographical Environments with special reference to India.

Unit 3

Rural House & their Types; field, patterns origin, evolution, size ,social-spatial structure of Indian villages. Size and spacing of Rural settlements.

Unit 4

Size and spacing of Rural Settlement, Morphometry of Rural Settlement, Study of Rural Settlement with reference to C.G.

Unit 5

Rural Service Centre and their Identification, Rural problems and planning.

SUGGESTED READINGS :-

1. Rural settlements - A cultural Geographical analysis, inter India publication Delhi 1985.
2. Mitra, A. : Report on House Types and Village Settlement Patterns in India. Publication. New Delhi, 1985.
3. Rao, E. N. : Strategy for Integrated Rural Development B.R. Publication Cor., Delhi. 1986.

**SEMESTER – III
PAPER - XII
RESEARCH METHODOLOGY**

Unit 1

Research methodology –an overview, procedure of scientific research, defining Research problems, Formulating Hypothesis, Research Design

Unit 2

Historical research, survey of research, Methodological research, field studies, Action Research.

Unit 3

Methods Of Data Collection: Observation, Questionnaire, Schedule and interview, Sampling Methods, Size of sample.

Unit 4

Processing and analysis of Data: Editing, Coding, Classification and Tabulation Analysis- Measurement of central tendency, Dispersion, Correlation


Unit 5

Preparation of Research Reports : Steps, Layout and Types of Reports

Suggested Reading :-

1. Selltitz, C.M. Johoda, M. Deutsch and Others Research Methods of Social Relations, Holt,. New York 1961.
2. Goode, W and P.K, Hatt Methods in Social Research, Mc Graw Hill Tokyo, 1962
3. Harvey, David Explanation in Geography, Edward Arnold, London, 1971
4. Chorley, R.J. and P. Hagg & tt (ed) Models in Geography, Methuen, London, 1967
5. Minshull, R. Introduction to Models in Geography. Longman London, 1975
6. Sheskin, I.M. Survey Research for Geographers Scientific Publisher, Jodhpur, 1987

7. Kothari, C.R.
Research Methodology : Methods and
Techniques, Wishwa Prakashan, 1994
8. Misra H.N. and V.P. Singh
Research Methodology in Geography : Social,
Spatial and Policy Dimensions, Rawat
Publications New Delhi, 1998.
9. Har Prasad
Research Methods and Techniques in
Geography, Rawat Publications, New Delhi.
1992

A handwritten signature in black ink, consisting of a stylized 'P' followed by a long horizontal stroke and a smaller signature below it.

SEMESTER – III
PAPER - XIII
REGIONAL PLANNING AND DEVELOPMENT

OBJECTIVES :

1. To Understand and evaluate the concept of Regional geography and its role in planning.
2. To identify the issues relating to the development of the region through the process of spatial Organisation.
3. To identify the causes of regional disparities in development, perspectives and policy improvements,

COURSE CONTENTS :

UNIT-I

Regional Concept in Geography conceptual and Theoretical Framework, merits and Limitation for application to regional planning and development, Concept of space, Area and locational attributes.

UNIT-II

Types of Region-Formal and Functional, Uniform and nodal, Single purpose and composite, Region in the context of planning Regional Hierarchy.

Regional Divisions according to variations in levels of socio-economic development and Resource Regions)

UNIT-III

Regional Development Theories : Theories of Myrdal and Hirschman, Franks theory of under development

Special purpose Region – River valley Regions Metropolitan Regions.

Problem Regions – Hill Regions, Tribal Regions of Drought and Floods.

UNIT-IV

Planning Process – Sectoral, Temporal and Spatial dimension short term and long term perspective of planning. Planning for a region's development and multi regional planning.

Indicators of development and their data sources measuring levels or regional development and disparities. Regional Plans of India.

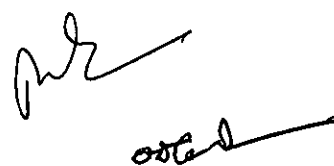


UNIT-V

1. Concepts of Multi level Planning : Decentralised planning process. Panchayati Raj system, Role and relationship of Panchayati Raj System (Village Panchayat Janpad Panchayat and Zila Panchayat) and administrative structure (Village, Block and Districts)
2. Regional development in India – Problems and prospects.

SUGGESTED READING :

1. Alber, R. Et Al. Saptial Organisation. The Geographer's View of the World, Prentice Hall, Englewood cliffs, N.J. 1971.
2. Bhat. L.S. Regional Planning in India statistical Publishing Society, Calcutta, 1973.
3. Bhat L.S. et al. : Micro-Level Planning A case Study of Kamal Area, Haryana, K.B. Publication, New Delhi 1976.
4. Chorley, R.J. and Haggett. P. : Models in Geography Methuen, London 1967.
5. Christaller, W. : Central Places in Southern Germany Translated By C.W. Baskin, Prentice Hall, Englewood, Cliffs, New Jersey 1966.
6. Friedmann, J and Alonso, W : Regional Development and Planning A reader M.I.T. Press Cambridge Mass. 1967.
7. Gosal, G.S. and Krishan G. : Regional Disparties in Level of Socio-Economic Development in Punjab, Vishal Publication, Kurukshetra, 1984.
8. Misra, R.P. : Regional Planning Concepts, Techniques and Policies, University of Mysore, Mysore, 1969.
9. Misra, R.P. and Others(ed) : Regional Development Planning in India a strategy institute of Development Studies Mysore 1974.
10. Mitra A : Levels of Regional Development, Census of India, Vol. I Part I A(i) and (ii) New Delhi. 1956.
11. Myrdal, G : Economic Theory and Under development Regions Gerald Duckworth, London 1975.
12. Nangia Sudesh, Delhi Meropolitan Region, Rajesh Publication Delhi, 1976.
13. Sundarm K.V. (ed.) : Geography and Planning Essays in "Honor of V.L.S. Prakassa Rao, Concept Publishing Co. New Delhi, 1985.
14. Tarlok Singh India's Development Experience, Mc Millan, New Delhi, India 1974.
15. Raza moonis (ed.) Regional Development Heritage Publishers Delhi, 1988.
16. Mishra R.P. et. A Multi – Level Planning heritage Publishers, Delhi, 1980.



**SEMESTER – III
PAPER - XIV
ENVIRONMENTAL GEOGRAPHY**

OBJECTIVES :

The basic objectives of this course are to appraise the student with the interrelationship between man, the environment within which he lives and his linkages with other organisms. The importance of conserving biodiversity to maintain ecological balance has also been emphasized in the course.

COURSE CONTENTS:

Unit I

Definition scope, basic concepts of environmental geography

General systems ; ecological concepts; geography as human ecology Ecosystem concept and components, Ecosystem- form and function: Trophic level, ecological pyramids, ecological niche, energy and nutrients in the ecosystem, hydrological cycle, food chain and food web.

Unit II

Man-environment relationship: Resource use and ecological imbalance with reference to soil, forests and energy resource. Biodiversity and its conservation. Preservation and conservation of the ecosystem through resource management.

Unit III

Environmental degradation: Types of Environmental degradation, process and causes of degradation.

Environmental pollution : Pollutents types and source of pollution- Air water sound pollution

Unit IV

Concept of environmental management, approaches and ecological basis

Emerging environmental problems- global warming food security population explosion, sustainable development.

Unit V

Environmental Legislation- The Stockholm Conference, the Earth summit, " Environmental laws in India (the Wild Life Act. Forest Act, Environment Protection Act and National Environment Tribunal Act).

SUGGESTED READINGS :

1. Ackerman, E.A. Geography as a fundamental Research Discipline, University of " Chicago Research Paper 1958.
2. Agarwal, A. and Sem S. : The Citizens Fifth Report. Centre for Science and Environment New Delhi 1999.
3. Bodkin, E. : Environmental Studies, Charies E. Merril Pub. Co. Columbus, Ohio. 1982.
4. Chandana, R.C. : Environmental Awareness, Kalyani Publishers, New Delhi, 1998.
5. Eyre, "S.R. and Jones, G.R.J. (eds.) Geography as Human Ecology. Edward Arnold, Lodon. 1966.
6. Singh, S. : Environmental Geography, Prayag Publication, Allahabad, 1991.
7. Smith, R.L. Man and his Environment; An Ecosystem Approach, Harper & Row Lodon, 1992.

pr *oscar*

SEMESTER – III
PAPER - XV
Practical - III

Geological Map : Basic definition ,Conformable series and Unconformable series

Statistics: Hypothesis Testing, Chi Test, F test, Mean Centre, Nearest Neighbour Analysis

Surveying.

Dumpy level: - Meaning of the terms used in levelling. Method of levelling :- simple levelling, differential levelling. Profile .

Theodolite :- Meaning of terms used in theodolite surveying, measurement of horizontal distance & vertical height, accessible and non accessible method.

SUGGESTED READINGS:-

1. Kanitkar: Surveying and levelling
2. Punmia: surveying
3. Mitra. R. P. and Ramesh A : Fundamentals of Cartography Revised Edition, concept Publication New Delhi.
4. Monkhouse-Maps and diagrams Methuen 1971.
5. Sandover, J. A. Plane Surveying. Arnold 1961.
6. Singh, R. L. and Dutt, P. K. Elements of Practical Geography Students Friends. Allahabad 1968.
7. शर्मा जे.पी. – प्रायोगिक भूगोल, रसतोगी पब्लिकेशन मेरठ।
8. चौहान, पी.आर. : प्रयोगात्मक भूगोल
9. यादव, हीरालाल, प्रायोगिक भूगोल
- 10 Gregory, S. Statistical Methods and the Geographer in Geography. An Introduction, Clarendan Press, Oxford, 1974
- 11 Johnston R. J., Multivariate Statistical Analysis in Geography, Longman, London. 1973.
12. Dr. Manjur Alam, Statistical methods in Geography.
- 13 डॉ. व्ही.के. श्रीवास्तव, सांख्यिकीय भूगोल के सिद्धांत, वसुन्धरा प्रकाशन, गोरखपुर।



M.A. GEOGRAPHY SEMESTER – IV

M.A. Geography Semester-IV shall consist the following papers :

S.No.	Paper	Title of Papers	External		Internal		Total
			Max.	Min.	Max.	Min.	
1.	XVI	Population Geography	80	29	20	7	100
2.	XVII	Urban Geography	80	29	20	7	100
3.	XVIII	Agriculture Geography	80	29	20	7	100
4.	XIX	Geography of Tourism	80	29	20	7	100
5.	XX	Practical - IV	-	-	-	-	100

1. The M.A. Semester – IV examination in Geography shall consist of 500 marks.
2. The theory papers shall be of three hours duration.
3. Candidates will be required to pass separately in theory and practical examination.
4. a) In the practical examination the following shall be allotment of time and marks.
 - i) Lab work (up to two hours) 30%
(Lab work 25% and viva 5%)
 - ii) Field work report 50%
(Report Writing 40% and viva 10%)
 - iii) Practical Record 10%
 - iv) Excursion 10%
- b) The external and internal examiners shall jointly submit marks.
- c) All the candidates shall present at the time of the practical examination their practical record regularly signed by the teachers concerned.

**SEMESTER – IV
PAPER - XVI
POPULATION GEOGRAPHY**

UNIT - I

Nature and scope of Population Geography Development of Population Geography as field of specialization Its relation with the Demography. Sources of population data, their level of reliability and problems of mapping the population data.

UNIT-II

Population distribution and density; Growth of population theoretical issues, world pattern and determinants. India population distribution, density and growth profile.

UNIT-III

Population Composition-Gender issues : age and Sex; literacy and education, rural and urban; urbanization, occupational structure. Population Composition of India.

UNIT – IV

Population Dynamic Measurement of fertility and Mortality; Migration-national and international. India's population dynamics. World patterns of fertility, mortality and internal migration. Population reagions of the world and India.

UNIT-V

Population and Resources Development : Concept of optimum population, under population and over population. Theories of transition.

SUGGESTED READINGS :

1. Boserup, E. The Conditions of Agricultural Growth. George. Allen & Unwin, Londona, 1965.
2. Barcley 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, Ashis et.al.: Population in India's Development. Vikas Publishing House, New Delhi. Census of India. 2001.
5. Chanana R.C. : Geography of Population, Concept, Determinants and Patterns Kalyani.
6. Clark, J.I. Population Geography. Pergamon Press Oxford, 1973.
7. Crooch, Nigel :Principles of Population and Devlopment. Pergamon, New York, 1997.
8. Daughterty, H.G. Kenneth C.W. Kammeyir : An introduction of Population. The Gulford Press. New York, Lodon, 1998.

9. Garnier, B.J. : Geography of Population. Longman London, 1970.
10. Mitra, Ashok : India's Population, Aspects of Quality and Control. Vol. I & II Abhinav Publications, New Delhi, 1998.
11. Srinivasan, K. and M. Vlassoff : Population Development Nexus in India Challenges For the New Millennium, Tata McGraw Hill, New Delhi, 2001.
12. Shinivasan, K : Basic Demographic Techniques and Applications, Saga Publications, New Delhi, 1998.
13. Sundaram, K.V. and Sundesh Nagais (ed.) Population Geography Heritage Publications, New Delhi, 1986.
14. चांदना आर.सी. जनसंख्या भूगोल, कल्याणी पब्लिसर्स नई दिल्ली
15. विजय तिवारी, जनसंख्या भूगोल, हिमालय पब्लिसर्स, नई दिल्ली
16. पंडा बी.पी., जनसंख्या भूगोल, म.प्र. हि. संघ अकादमी भोपाल
17. विजय तिवारी भारत या जनसंख्या भूगोल भाग1-2 हिमा. प. नई दिल्ली

mr

oas

**SEMESTER – IV
PAPER - XVII
URBAN GEOGRAPHY**

OBJECTIVES :

- (i) To understand the process of urbanization, origin, growth and classification urban settlements with relevant theories and models.
- (ii) To examine changing economic base and structure of cities.
- (iii) To understand urbanization process and the evolution of urban system.
- (iv) To examine the contemporary urban issues and to suggest new urban planning and policy.

COURSE CONTENTS :

UNIT-I

- (i) Nature and scope of urban Geography Approaches and recent trends in Urban geography.
- (ii) Origine and growth of urban settlements ancient, medieval and modern period.

UNIT-II

- (iii) Bases and process of urbanization.
- (iv) Classification of urban settlemtents on the basis of size and function, functional classification of Towns.

UNIT-III

- (v) Urban growth and theories, central place theory of christaller and losch. Contribution of India scholars to the studies of urban settlement.
- (vi) Urban economic base ; Basic and non basic functions, Input output model. City and changing urban functions.

UNIT-IV

- (vii) Organisation of urban space; urban morphology and land use structure, city core, commercial, industrial and residential areas. Morphology of Indian urban settlements and its comparison with western cities.
- (viii) Urban expansion, umland periphery (Fringe).

UNIT-V

- (ix) Contemporary urban issues : Urban sprawl, Urban slums, environmental pollution air, water, noise solid waste, Issue of environmental health.

Mr. [Signature]

- (x) Urban Policy and planning : City Planning, contemporary issues in urban planning, globalization and urban planning in the Third world. Urban land use planning. Green belts & smart city concept.

READING :

1. Alam, S.M. Hyderabad – secunderabad Twin Cities Asia Publishing House, Bombay, 1964.
2. Berry, B.J.L. and Horton F.F. Geographic perspectives on urban Systems. Prentice Hall, Englewood, Cliffs, New jersey 1970.
3. Carter : The study of Urban Geography Edward Arnold Publishers London 1972.
4. Chroley, R.J.O. Haggstt. P. (ed.) Models in Geography, Methuen, London 1966.
5. Dickinson R.E. : City and Region Routledge. London, 1964.
6. Dayer D.J. (ed) The city as a a centre of change in Asia University of Hond Kong Press, Hongkong 1971.
7. Gibbs J.P. : Urban Research methods D. Van Nostrand Co. Inc. Princeton, New Jersey 1961.
8. Hall P. Urban and Regional Planning, Routiedge London 1992.
9. Hauser, Philips M and scnnore Leo F. (Ed.) The study of urbanization, Wiely, New York, 1965.
10. James, P.E. and Jones C.F. (eds), American Geography, Inventroy and Prospect, Syracuse University APress, Syracuse, 1954.
11. Kundu A; Urban Development and Urban Geography, Unviersity of Chicago Press. Chicago, 1955.
12. Mumford, L : Culture of Cities, Macmillan & Co. London 1958.
13. Mumford, L. Culture of Cities of Mcmillan & Co. London 1958.
14. Nangia, Sudesh Delhi Metropolitan Region : A study in settlement geography, Rajesh Publicaton 1976.

pr *osca*

**SEMESTER – IV
PAPER - XVIII
AGRICULTURAL GEOGRAPHY**

OBJECTIVES :

- (i) To familiarize the Student with the concept, origin and development of agriculture,
- (ii) To examine the role agricultural determinates towards changing cropping patterns, intensity, productivity diversification and specialization.
- (iii) To Discuss environmental, Technological and social issues in agricultural sector with special reference to India.

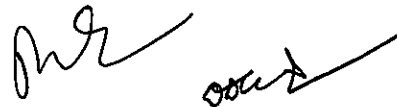
COURSE CONTENTS :

- UNIT-I** Nature, Scope and Development of agricultural Geography. Approaches to the study of agricultural Geography, Commodity, systematic Regional and System, Origin and dispersal of agriculture. Sources of agricultural data.
- UNIT-II** Determinates of agricultural land use : Physical economic, Social and technological, land use policy and planning, Land use survey and landcapability.
- UNIT-III** Selected agricultural concepts and their measurements : Cropping pattern, crop concentration, Intensity of cropping, degree of commercialization, efficiency and productivity, Crop combination regions.
- UNIT-IV** Theories of Agricultural Location. Von thuen's theory of agricultural location and its recent modification, Theories of diffusion and adoption of innovations, Agricultural Typology Kostrovickie's method, 'Agricultural Region concept and method, whittlesey's classification of agricultural regions.
- UNIT-V** Agricultural in India, Regional pattern of productivity in India, Green Revolution, white revolution. Specific problems of Indian agriculture, Agriculture policy in India.

SUGGESTED READING :

1. Byliss Smith, T.P. : The Ecology of Agricultural Systems, Cambridge University press, London 1987.
2. Berry, B.J. L. et. Al : The Geography of Economic Systems, Prentice Hall New York 1976.
3. Brown, L.R. : The Changing world food prospects – The Nineties and Beyond. World Watch Institute Washington D.C. 1990.

4. Dyson, T. : Population and Food-Global Trends and Future Prospects routledge London, 1996.
5. Gregor, H.P. : Geography of Agriculture prentice Hall, New York 1970.
6. Grigg D.B. : The Agricultural Systems of the World, Cambridge University press. New York 1974.
7. Harshorn, T.N. and Alexander, J.W. : Economic Geography Prentice Hall, New Delhi, 1988.
8. Mannion A.M. : Agriculture and Environment Change, John wiley, Londo 1995.
9. Morgon W.B. and Norton, R.J.C. Agricultural Geography Mathuen, London 1971.
10. Morgon, W.B. : Agriculture in the Third World – Apatial Analysis Westview press. Boulder : 1978.
11. Sauer, C.O. : Agricultural Origins and Despersals. M.I.T. Press. Mass U.S.A. 1969.
12. Singh J. and Dhillon, S.S. : Agricultural Geography, Tata Mcgraw Hill Pub, New Delhi 1988.

Handwritten signature and initials in black ink, appearing to be 'P.N.G.' and 'S.S.'.

SEMESTER – IV
PAPER - XIX
GEOGRAPHY OF TOURISM

- UNIT-I** Basics of tourism : Definition of tourism; factors affecting tourism : historical, natural, socio-cultural and economic, motivating factors for pilgrimages : leisure, recreation, elements of tourism, tourism as an industry.
- UNIT-II** Geography of tourism its geographical measure of town. Tourism types; cultural, eco-ethno-coastal and adventure tourism, national and international tourism; globalization and tourism.
- UNIT-III** India tourism : regional dimensions of tourist attraction; tourism in Chhattisgarh.
- UNIT-IV** infrastructure and support system-accommodation and supplementary accommodation; other facilities and amenities; Indian hotel industry.
- UNIT-V** Impact of tourism : physical, economic and social and perceptual positive and negative impacts; Environmental law and tourism. Globalization & tourism. Tourism policy of India.

SUGGESTED READING :

1. Bhatia, A.K. Tourism Development : principles and Practices. New Delhi : Sterling Publishers, 1996.
2. Bhatia, A.K. International Tourism : Fundamentals and Practices. New Delhi : Sterling Publishers, 1991.
3. Hunter C and Green H., Tourism and the Environment : A Sustainable Relationship. London : Routledge, 1995.
4. Inskip, E Tourism Planning : An Integrated and Sustainable Development Approach, New York : Van Nostrand and Reinhold.
5. Kaul, R.K. Dynamics of Tourism and Recreation. New Delhi : Inter India 1985.
6. Kaur, J. Himalayan Pilgrimages and New tourism. New Delhi : Himalayan Books, 1985.
7. Lea, J. Tourism and Development in the Third World. London : Routledge, 1988.
8. Milton, D. Geography of World Tourism . New York ; Prentice Hall, 1993.
9. Pearce, D.G. Tourism today : A Geographical Analysis. Harlow : Longman, 1987.

Pr

ooc

**SEMESTER – IV
PAPER – XIX
PRACTICAL – IV**

Remote Sensing : Fundamental of Remote Sensing, Components of Image Interpretation

GIS : An overview of GIS Software ,Elements Of GIS

Computer Cartography: Advantages of computer cartography, Creation of Graphs and Choropleth Maps.

Field Work : Micro region based Socio-Economic Field Work about in 50 pages.

EXCURSION

SUGGESTED READING :

- 1- American Society of Photogrammetry : Manual of Remote Sensing, ASP, Falls Church V.A., 1983.
- 2- Barrett E.C. and L.F. Curits : Fundamentals of Remote sensing and AIR photo Interpretation on, Memillan, New York, 1992.
- 3- Campbell J. : Introduction of Remote Sensing, Guilford, New York, 1989.
- 4- Curran, Paul J. : Principles of Remote Sensing, Longman, London 1985.
- 5- Burroughs P.A. Principles of Geographic Information systems of Land Reson Assessment Oxford University Press, New York 1986.
- 6- चैनियाल, देवी दत्त : सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली.

