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<th>S.No.</th>
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<tr>
<td>1</td>
<td>Paper - I - Core subject (History of Geograpghical Thoughts)</td>
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<td>2</td>
<td>Paper - II - Core subject (Oceanography)</td>
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<td>3</td>
<td>Paper - III - Core subject (Climatology)</td>
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<td>Paper - IV (Practical I)</td>
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**SEMESTER II**

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<tr>
<td>1</td>
<td>Paper - I - Core subject (Research Methodology)</td>
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<tr>
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<td>Paper - II - Core subject (Geomorphology)</td>
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<td>3</td>
<td>Paper - III - Core subject (Geography of Resources)</td>
<td>5</td>
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<td>4</td>
<td>Paper - IV (Practical II)</td>
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**SEMESTER III**

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<tr>
<td>1</td>
<td>Paper - I - Core subject (Geo. Of Manufacturing &amp; Transport)</td>
<td>5</td>
<td>3</td>
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<tr>
<td>2</td>
<td>Paper - II - Core subject (Agriculture Geo.)</td>
<td>5</td>
<td>3</td>
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<td>3</td>
<td>Paper - III – Elective Subject</td>
<td>(Population Geography) iii (Geography of tourism) iii (Bio- Geography)</td>
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<td>4</td>
<td>Paper - IV (Practical III)</td>
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**SEMESTER IV**

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<tr>
<td>1</td>
<td>Paper - I - Core subject (Geography of Settlement)</td>
<td>5</td>
<td>3</td>
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<tr>
<td>2</td>
<td>Paper - II - Core subject (Social Geography)</td>
<td>5</td>
<td>3</td>
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<tr>
<td>3</td>
<td>Paper –III – Elective Subject</td>
<td>(Regional Planning) ii (Environmental Geography) iii (Political Geography)</td>
<td>5</td>
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<tr>
<td>4</td>
<td>Paper - IV (Practical IV)</td>
<td>10</td>
<td>6</td>
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PATTERN OF EXAMINATION (ALL SEMESTERS)

Theory:
Three theory papers of 80 marks each and of three hours duration will be conducted at the end of each semester.

Practical’s:
1) One Practical examination of 100 marks and of six hours duration of each semester will be conducted at the end of the same semester.
2) Practical examinations of all four semesters will be conducted by internal and External examiners appointed by the University.

Internal Assessment:
1) Head of the department will carry out internal assessment of the students on the basis of evaluation report from the concerned teacher/teachers, under the supervision of the principal of the college and will be done at the end of each semester.
2) Distribution of 20 marks of internal assessment is as under –
   i) Class Attendance 05 marks
   ii) Home Assignment 05 marks
   iii) Group discussion / seminar/ 10 marks
   Geographical activities etc.

Pattern of Question Paper

Que 1: A) from unit I Marks 20
       OR
       B) from unit II

Que 2: A) from unit III Marks 20
       OR
       B) from unit IV

Que 3: A) from unit I Marks 20
       B) from unit I (10 mark each)
       OR
       C) from unit II
       D) from unit II

Que 4: A) from unit III Marks 20
       B) from unit III (10 mark each)
       OR
       C) from unit IV
       D) from unit IV
Rules and Regulation

1. There will be five periods per week for theory papers.
2. The batch of Practical class should not be exceeding 10 students.
3. The minimum passing marks of Theory paper and internal Assessment is 40
4. The minimum passing marks of Practical examination is 40
5. Marks will not be allotted to student if he found absent in study tour.

CERTIFICATE

Department of Geography

Name of College……………………………………………………………………

This is to certify that this practical record is the Original practical works of

Shri/ Kumari/ Smt. …………………………………………………………………

Class……… Semester………. During the academic year.

He/she has attended/ not attained the field work/ Study tour prescribed by the Gondwana University Gadchiroli.

Signature of the teacher who taught the examinee.

1) .............................................
2) .............................................

Head of the Department
Semester – III

PAPER – I  ( Core Subject)

Marks-100
Semester Examination=80Marks
Internal Assessment=20 Marks

Geography of Manufacturing and Transport

Unit - I
Scope, content and recent trends in economic geography, relation of economic geography with economics, classification of economy sectors of economy (primary, secondary, tertiary).
Factors of location industries – physical, social, economic and cultural.

Unit - II

Unit - III

Unit - IV
Economic development of India, regional disparities, impact of green revolution and on Indian economy, globalization and Indian economy.

Suggested Readings:

Alexander : Economic Geography


Mamoria, C.B.: Economic Geography


Sharma and Countino : Economic Geography.
AGRICULTURAL GEOGRAPHY

Unit - I

Unit - II
Determinants of agricultural land use- Physical, economic, social and technological. Land use policy and planning. Selected agricultural concepts and their measurements, Cropping pattern, Crop concentration, Intensity of cropping, degree of commercialization, diversification and specialization, efficiency and productivity, Crop combination regions and agricultural development. Green Revolution- and White revolution with reference to India.

Unit - III
Theories of Agricultural Location based on several multi-dimensional factors; Von Thune’s theory of agricultural location and its recent modifications, Whittlesey’s classification of agricultural regions, land use and capability.

Unit - IV
Contemporary issues: Food, Nutrition and hunger, Food security, drought and food security, food aid programmes, role of irrigation fertilizers, insecticides, Technological Know-How

Suggested readings:
Morgan, W.B.(1978): Agricultural in the third world – A spatial analysis, west view Press, Boulder
POPOPULATION GEOGRAPHY

Unit I - I
Population geography : Scope and Objectives, development of population geography. Population geography and demography- Sources of population data, their level of reliability and problems of mapping of population data.

Unit II - II

Unit III - III
Population composition: age and sex, literacy and education, rural and urban, urbanization, occupational structure, population composition of India, population dynamics; Measurement of fertility and mortality. Migration: national and international Patterns.

Unit IV - IV
Population and development : resource region and levels of population and socio-economic development, population policies in developed and less developed countries, Human development index and its components, India’s population policies.

Suggested reading:
Census of India. India; A state Profile, 1991
Mamoria, C.B.(1981):India’s population Problems, Kitab Mahal Delhi
Premi M.K (1991): India’s population. Heading towards a Billion Publishing Corporation
Shrinivasan. K. (19980 Basin Demographic Techniques and application Sage publication, New Delhi
SEMESTER III
PAPER – III ( Elective Subject Paper ii)

Marks-100
Semester Examination=80Marks
Internal Examination =20 Marks

GEOGRAPHY OF TOURISM

Unit - I

Unit - II
Geography of tourism :- its spatial affinity, areal and locational dimensions comprising physical, cultural, historical and economic, Tourism types cultural, eco-ethno-coastal and adventure tourism, national and international tourism, globalization and tourism.

Unit - III
Indian tourism : regional dimensional of tourist attraction, evolution of tourism, promotion of tourism, infrastructure and support system – accommodation and supplementary accommodation, other facilities and amenities, Tourism circuits-short and longer detraction – Agencies and intermediacies – Indian hotel industry.

Unit - IV
Impacts of Tourism, Physical, economic and social and perceptual positive and negative impacts, Environmental laws and tourism- Current trends, spatial patterns and recent changes, Role of foreign capital and impact of Globalization on tourism.

Suggested reading:

C.Michell Hall: Tourism Planning, Policies and Relationship
C.Michell Hall: Tourism
Geoggrey Wall, Alister Mathieun ; Tourism- Change, Impact and Opportunities
Stephen Page: transport and Tourism
Stephen Page: Eco- Tourism
Stephen Page, C Michall Hall: Managing urban Tourism
Sustainable Tourism ,A Geographical Perspective
Dr. P.M. Naktode and Dr. D.A. Pardhi :- Paryatan Bhoogol
SEMESTER III

PAPER – III (Elective Subject Paper iii)

BIO GEOGRAPHY


UNIT – II - Elements of Plant Geography – Plants Their evolution, grouping and importance. Environmental factors influencing plants and their distribution. I Major vegetation types – Forest, grassland and desert vegetation and their distribution, plants succession in newly formed land forms from flood plains and glacial fore fields.


UNIT – IV – Man – Environment relationship -

Meaning and characteristic features of environment, use of environment by man. National forest policy of India, Conservation of Biotic resources.


Reference –

1) Biogeography – H. Robinson
2) Biogeography, Natural and Cultural – Strahler
3) Biogeography – A Study of Plants in the Ecospher – Tivy, Joy
4) One earth one failure – East West Press New Delhi
5) Environmental Pollution – N. Manivasakun.
6) Fundamentals of Biogeography – Huggett R. J.
7) Essential of Biogeography – H. S. Mathur
8) Man and Environment in India through ages – D. P. Agrawal.
1. Economic maps and Diagrams  

2. Population maps and Diagrams  

3. Cartographic methods  
   (i) Agricultural geography and regional development and planning  
      A) Index of concentration  
      B) Index of diversification  
      C) Index of crop combination  
      D) Agricultural efficiency

4. Field Work:  
   Visit to a field on some aspects of M. A. semester III theory paper (Agriculture Geography and writing of a field work report).
   (A) Collection of data, processing and tabulation of data-  
   (B) Writing of field work report  

5. Viva Vice  
   (10 marks)

6. Practical Record  
   (10 Marks)
Semester - IV
PAPER – I (Core Subject)

GEOGRAPHY OF SETTLEMENT

Unit - I
Nature, Scope and significance and development of settlement geography, Approaches to rural settlement geography. Histogenesis of rural settlements, Spatio – temporal dimensions and sequent occupancy. Definition and characteristics of rural settlement in the fringe areas.

Unit - II
Type, forms and patterns of rural settlement cause and effect. Functional classification of rural service centre: their nature, Hierarchy and functions, rural-urban fringe e- structure, characteristics and function.

Unit - III
Social issues in rural settlements: Poverty, housing and shelter, deprivation and inequality, empowerment of woman, healthcare, rural-urban interaction. Environmental issues in total settlements: access to environmental infrastructure, water supply, sanitation, drainage, occupational health hazards.

Unit - IV
Cultural landscape element in rural settlement in different geographical environments with specific references of India. House types and field patterns. Origin, evaluation, size, socio – spatial structure of Indian villages. Rural development planning in India.

Suggested readings:

Singh R.Y: Geography of Settlements

Mondol, R.B.: Settlement Geography

Taylor: Urban Geography

Northam: Urban Geography

K.Siddarth& Mukherjee: urbanisation, system and process

Tiwari: Settlement Geography
SOCIAL GEOGRAPHY

Nature and development and social geography, Philosophical bases of social geography – Positivist, Structuralist, radical, humanist, post – modern and post structuralist; social geography in the realms of social sciences.

Unit - II
Space and society, Understanding a society and its structure and process. Geographical bases of social formations, contribution of social geography to social theory, power relations and space.

Unit - III
Towards social geography of India. Social differentiation and region formation, evolution of socio – cultural regions of India bases of social region formation role of race, caste, ethnicity, religion and languages, India unity and diversity, social transformation and change in India.

Unit - IV
Social well-being: Concepts of social well-being, Physical quality of life, Human development: Measurement of Human development with social, economic and environmental indicators, Rural Urban deprivation in India with respect to health care: education and shelter; deprivation and discrimination issues relating to women and under prevailed groups: Patterns and bases of rural and urban society.

Suggested Reading:

Azzaudin Ahmad: Social Geography

Smith, David; Social geography; A Welfare Approach, Edward Arnold. 1977

Sopher, David: An exploration of India, Corenell University, 1980

Semester IV

PAPER – III (Elective Paper i)

Semester Examination = 80 marks
Internal assessment = 20 marks

REGIONAL PLANNING

Unit - I
Regional concept in geography, conceptual and theoretical framework, merits and limitations for application to regional planning and development, concept of space, area and locational attributes.
Types of regions; Formal and functional, uniform and nodal, single purpose and composite region, in the context of planning, regional hierarchy, special purpose regions.

Unit - II
Physical regions, resource regions, regional division according to variation in levels of socio-economic development, Special purpose regions – river valley regions

Unit - III
Approaching to delineation of different types of region and their utility in planning. Planning process – sectoral, Temporal and spatial dimensions, short – term and long term perspective of planning for a region’s development and multi – regional plan in a national context. Indicators of development and their data sources, measuring levels of regional development and disparities.

Unit - IV
Concept of Multi-level planning : decentralized planning; People participation in the planning process, Panchayat Raj system, role and relationship Panchayat Raj, Institutions ( Village Panchyat, Panchyat samitee and Zilla Parishad ) and administrative structure ( Village, Block and District ). Regional development in India – Problems and prospect.

Suggested reading:
Bhat, L.S. (1973); Regional Planning in India, Statistical Publishing Society, Calcutta
Bhat, L.S. et.al. (1976); Micro-level Planning: a case study of Karnal Areas, Harayana K.B.Publications New Delhi
Government of India Planning commission (1961); Third Five year Plan, Chapter on Regional imbalances in Development, New Delhi
Environmental Geography

Unit-I


Unit-II

The problems and causes of environmental degradation, Deforestation, Soil erosion, Desertification. Air pollution, water pollution, impact of pesticides and fertilizers, impact of coal mining, on local Environment, Disposal of solid waste in urban areas.

Unit-III


Unit-IV


Suggested reading:

Singh savindra: Environment Geography, Prayag Praksashan
Lal: Environment Geography
POLITICAL GEOGRAPHY

UNIT – I - Definition, Development and Scope of Political Geography, Geopolitics and Political Geography. Global Strategic views and Theories of Political Geography Hartland, Rim land and Geo – Strategic region concept.


UNIT –III - International politics – meaning and suffiect matter, core Areas – meaning, characteristics, core areas if Different continents. Capital – classification of capitals, factors determining capital, functions of capital.


Reference –

1) Elements of Political Geography – Van valkenburg and Stotz.
2) Political Geography – N. J. G. Pounds
3) Political Geography – Navindra Mehta
4) Political Geography and World Map – Y. M. Goblet
5) Geography behind Politics – A. E. Moodie
6) Modern Political Geography – Edword F. Bergmen
7) Political Geography – Peter Taylor
8) Background of Political Geography – G. R. Crone
9) Geography of Modern Politics – Lucils Carlson & philbrick.
11) Geography of Politics in a divided world – S. B. Chohen
12) Basic Principals of Geopolitics and History – Debabrata Sen.
Semester - IV
PAPER –IV
PRACTICAL – IV

1. Statistical techniques

Study of practical problems on the following particular emphasis on the optional subject offered by the student. (Data and problems attempted should be from the respective optional subject offered by the student)

   Statistical significance The normal frequency distribution curve and its use. Probabilities statements.
   Methods of sampling - A. Numerical   B. Aerial distribution   (12 Marks – 2 Periods)

2. tests:   A. students T test,   B. Chi-square test   C. F – test   (8 Marks – 2 Periods)

   Correlation significance test   (10 Marks – 2 Periods)

4. Regression line
   Confidence limits   (10 Marks – 2 Periods)

2. Project:

Writing of at least one Project on any one of the Six theory (Semester III & IV)Papers of the syllabus.

(A) Collection of data & Data Processing and Tabulation   (15 Marks)

(B) Writing of Project Report   (25 Marks)

3. Viva

(10 Marks)

4. Practical Record

(10 Marks)
Suggested Reading


Clendinning J (1985): Principal and use of Surveying Instruments 2nd edition Blockie A


Hotine, Major M. (1935) : The re-triangulation of Great Britain Empire Survey Review


Mcmillan Co.New Delhi


