

Gondwana University, Gadchiroli
Master of Arts (NEP-2020)
M. A. Geography

SEMESTER III

Paper code	Major papers	Teaching Scheme (Hrs/Week)	Examination Scheme						
			Theory / Practical	Credit	Max Marks		Total Marks	Min. Passing Marks	
		External TH Marks (Univ)			Practical / Internal Marks	External TH Marks		Practical / Internal Marks	Total
PGG EO11	Paper - I - Geography of Manufacturing & Transport	4	4	80	20	100	32	8	40
PGG EO12	Paper - II - Agriculture Geography	4	4	80	20	100	32	8	40
PGG EO13	Paper - III - Practical - III	8	4	0	100	100	0	40	40
PGG EO14	Paper -V- Elective Paper Paper- I -Industrial Geography Paper- II -Geography of South America Paper- III- Geography of Asia Paper -IV- Geography of Europe Paper- V- Geography of Australia	4	4	80	20	100	32	8	40
PGG EO15	Paper – V- Research Project	4	4	0	100	100	0	40	40
Total		24	20	240	260	500	96	104	200

SEMESTER IV

Paper code	Major papers	Teaching Scheme (Hrs/Week)	Examination Scheme						
			Theory / Practical	Credit	Max Marks		Total Marks	Min. Passing Marks	
		External TH Marks (Univ)			Practical / Internal Marks	External TH Marks		Practical / Internal Marks	Total
PGG EO16	Paper - I - Geography of Settlement	4	4	80	20	100	32	8	40
PGG EO17	Paper - II - Human Geography	4	4	80	20	100	32	8	40
PGG EO18	Paper – IV (Practical IV)	4	2	0	50	50	0	20	20
PGG EO19	Paper -III - Elective Paper Paper-I -Regional Planning Paper-II- Environmental Geography Paper-III: - Political Geography Paper- IV- Geography of North America Paper- V- Geography of Africa	4	4	80	20	100	32	8	40
PGG EO20	Paper – V- Research Project	8	6	0	150	150	0	60	60
Total		24	20	240	260	500	96	104	200

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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/ Geographical activities etc. 10 marks

Pattern of Question Paper

Que 1:	A) from unit I OR B) from unit II	Marks 20
Que 2:	A) from unit III OR B) from unit IV	Marks 20
Que 3:	A) from unit I B) from unit I OR C) from unit II D) from unit II	Marks 20 (10 mark each)
Que 4:	A) from unit III B) from unit III OR C) from unit IV D) from unit IV	Marks 20 (10 mark each)



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.

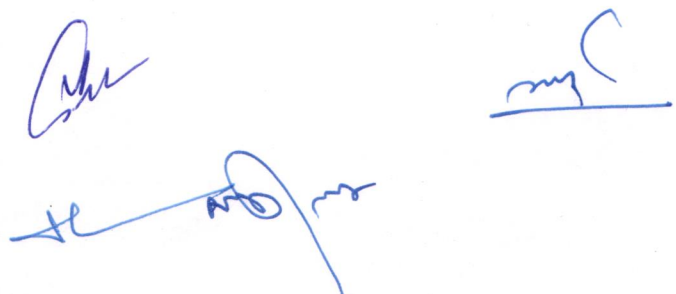
He/she has attended/ not attained the field work/ Study tour prescribed by the
Gondwana University Gadchiroli.

Signature of the teacher who taught the examinee.

1)

2)

Head of the Department



Semester – III

PAPER – I (Major Paper)

Marks-100 Credits 4

Semester Examination=80 Marks

Internal Assessment=20 Marks

Geography of Manufacturing and Transport

Unit - I

20 Marks

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

Unit - II

20 Marks

Classification of industries. Theories of industrial location-Weber, Loach, case studies of selected industries- Iron and steel. Oil refining and petrochemical, textile.

Unit - III

20 Marks

Modes of transportation, characteristics and relative significance. Transport cost, accessibility connectivity – network analysis. International, inter and intraregional, comparative cost advantages.

Unit - IV

20 Marks

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

Suggested Readings:

Alxander: Economic Geography

Derze. J and Sen, A (1966): India Economic development and Social Opportunity, Oxford University Press, New York

Hurst E (1974): transport geography- Comments and reading. McGraw Hill New York.

Mamoria C.B: Economic Geography

Rostov, W. W. (1960): The stages of economic Growth, Cambridge university press. London.

Sharma and Countino: Economic Geography.



Semester III

Marks-100 4 Credits

PAPER –II (Major Paper)

Semester Examination = 80 Marks

Internal Assessment= 20 Marks

AGRICULTURAL GEOGRAPHY

Unit - I

20 Marks

Nature, Scope, significance and development of Agriculture geography, Approaches to the study of agricultural geography; systematic and regional. Origin and dispersal of agricultural.

Unit - II

20 Marks

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

20 Marks

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

Unit - IV

20 Marks

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:

Gregor, H.P(1970): geography of Agriculture Prentice Hall, New York

Grigg, D. B. (1974): The Agriculture system of the world, Cambridge University Press New York

Hartshone, T.N. and Alexander J.W (1998) Economic geography Prentice Hall, New York

Mannion, A.M. (1995): Agricultural and environment change, London ,Jon Wiley


Morgan W.B. and Norton, R.J.C(1995): Agricultural geography, Mathuen, London

Morgon, W.B. (1978): Agricultural in the Third world – A spatial analysis, west view Press, Boulder

Sauer, C.O(1969): Agricultural origin and Dispersal M.I.T press. Mass.

Singh, J.R. (1988): Agricultural geography, Tata McGraw Hill Publication, New Delhi

Tarrant, J.R. (1974): Agricultural Geography, Wiley, New Yor



Total Marks:100

PAPER –III

Credit-4

PRACTICAL – III

1. Economic Maps and Diagrams

(20 Marks – 2 Periods)

1. Lorenz curve
2. Ergo graph
3. Triangular graph
4. Isochors and Isochrones
5. Simple and semi log graphs.

2. Population Maps and Diagrams

(20 Marks – 2 Periods)

1. Dependency ratio map
2. Isopleths of population potential
3. Demographic transition model
4. Superimposed pyramid.
5. Natural replacement graph of population.

3. Cartographic methods

(30 Marks – 4 Periods)

Agricultural Geography and Regional Development and Planning

- A) Index of concentration
- B) Index of diversification
- C) Index of crop –combination
- D) Agricultural efficiency

4. Settlement Maps and Diagrams:

1. Spatial Mean Center – Standard Distance Map
2. Distance Decay Graph
3. Dispersion of Settlement
4. Concentration Settlement
5. Reilly's Law of Gravitation
6. Index of Compactness.

(10 Marks – 2 Periods)

.5. Viva Vice

(10 marks)

6. Practical Record

(10 Marks)

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SEMESTER III

Marks-100 4 Credits

PAPER – IV (Elective Paper-I)

Semester Examination=80Marks

Internal Assessment=20 Marks

Industrial Geography

Unit – I

20 Marks

Nature and scope of industrial Geography. Types Geographical characteristics, and location of industries (Weber's Theory); Small and medium industry.

Unit – II

20 Marks

Heavy Industries: Coal and Iron based industries; Rural based industries.

Unit – III

20 Marks

Mega Industrial Complexes: National Capital Region, Mumbai-Pune Industrial Region, Bengaluru - Chennai Industrial Region and Chota Nagpur Industrial Region.

Unit – IV

20 Marks

Impact of Industrialisation in India: Environmental; Social and economic industrial policy of India.

Recommended Books:

1. Chapman, Keith and Walker, David F. (1991): Industrial Location, 2nd Edition, Wiley Eastern Ltd., New Delhi.
2. Gunnar, Alexandersson., (1967): Geography of Manufacturing, Prentice Hall, New Jersey.
3. Hayter, Roger (2000): The Dynamics of Industrial Location, John Weley & Sons, Chichester, England.
4. Leong, G.C. and Morgan, G.C., (1997): Human and economic geography, Oxford University Press, New York.
5. Miller, E., (1962): Geography of Manufacturing, Prentice Hall, Englewood Cliff, New Jersey.
6. Pathak, C.R., (2003): Spatial Structure and Processes of Development in India, Regional Science Assoc., Kolkata.
7. Saxena, H.M. (2018): Economic Geography, 2nd Edition, Rawat Publications, Jaipur.
8. Sharma, T.C., (2013): Economic Geography of India, Rawat Publications, Jaipur.
9. Singh, Jagdish (2003): India - A Comprehensive & Systematic Geography, Gyanodaya Prakashan, Gorakhpur.
10. Tritha, Ranjit (2002): Geography of India, Rawat Publications, Jaipur & New Delhi.
11. Tiwari, R.C., (2007): Geography of India, Prayag Pustak Bhawan, Allahabad.
12. Truman, A. Hartshorn and Alexander, John W. (2000): Economic Geography, Prentice Hall of India Ltd., New Delhi. Course: GEC – 3 Course Code: GG 731 Section-B: Tutorial 1 Credits 25 Marks

SEMESTER III

Marks-100 4 Credits

PAPER – IV (Elective Paper II)

Semester Examination=80Marks

Internal Assessment=20 Marks

Geography of South America

Unit – I

20 Marks

Location and extent South America in the context of world – The physiographic Division, Rivers – major, Division of South American Rivers. Rocks and Soil types

Unit II –

20 Marks

South American Climate - Characteristics of South American climate, Rainfall Distribution, Climatic Regions. Natural Vegetation, Types of Vegetation and its conservation

Unit III –

20 Marks

Major Mineral (Copper, Bauxite, Iron -ore) Distribution and power resources (Coal, petroleum, hydro-electricity) their distribution in South America.

Unit IV –

20 Marks Spatial

distribution of population and density, population problems in South America, Nature of Urbanization, problems of Urbanization in South America. Agriculture – Importance of Agriculture in South American Economy, characteristics, problems of South American Agriculture.

Recommended Books:

- Bradshaw, Michael et al (2008): Contemporary World Regional Geography, McGraw – Hill, New York.
- Gautam, Alka (2020): Regional Geography of the World, Sharda Pustak Bhawan, Allahabad.
- Hobbs, Joseph J. (2008): World Regional Geography, Books/ Cole, California.
- Husain, Majid (2016): World Geography, Rawat Publications, Jaipur.
- Johnson, Douglas L. et al (2011): World Regional Geography, Prentice Hall of India, New Delhi.
- Manku, Darshan Singh (2017): A Regional Geography of the World, Kalyani Publishers, Ludhiana.
- Maurya, S.D. (2021): World Regional Geography, Pravalika Publications, Prayagraj.
 - Tikka, R.N., Bali, P.K. and Sekhon, M.S. (2012): World Regional Geography, New Academic Publishing Co., Jalandhar.

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SEMESTER III

Marks-100 4 Credits

PAPER – IV (Elective Paper III)

Semester Examination=80Marks

Internal Assessment=20 Marks

Geography of Asia

Unit – I

20 Marks

Location and extent Asia in the contest of world – The physiographic Division, Rivers – major, Division of Asian Rivers. Rocks and Soil types

Unit II –

20 Marks

Asian Climate - Characteristics of Asia climate, Rainfall Distribution, Climatic Regions. Natural Vegetation, Types of Vegetation and its conservation

Unit III –

20 Marks

Major Mineral (Iron, Bauxite, Copper) and power resources (Coal, petroleum, hydro-electricity) their distribution in Asia

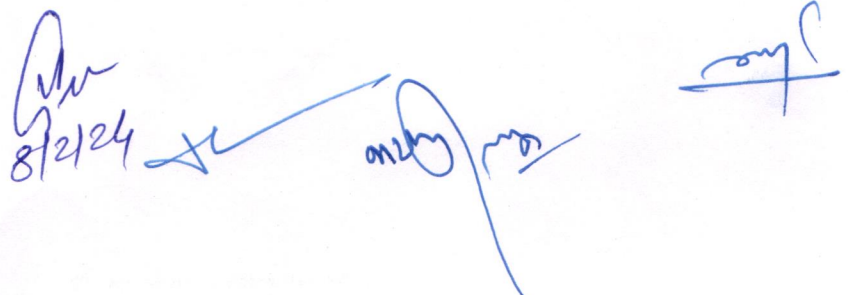
Unit IV –

20 Marks Spatial

distribution of population and density, population problems in Asia, Nature of Urbanization, problems of Urbanization in Asia. Agriculture – Importance of Agriculture in Asian Economy, characteristics, problems of Asian Agriculture.

Recommended Books:

- Bradshaw, Michael et al (2008): Contemporary World Regional Geography, McGraw – Hill, New York.
- Gautam, Alka (2020): Regional Geography of the World, Sharda Pustak Bhawan, Allahabad.
- Hobbs, Joseph J. (2008): World Regional Geography, Books/ Cole, California.
- Husain, Majid (2016): World Geography, Rawat Publications, Jaipur.
- Johnson, Douglas L. et al (2011): World Regional Geography, Prentice Hall of India, New Delhi.
- Manku, Darshan Singh (2017): A Regional Geography of the World, Kalyani Publishers, Ludhiana.
- Maurya, S.D. (2021): World Regional Geography, Pravalika Publications, Prayagraj.
- Tikka, R.N., Bali, P.K. and Sekhon, M.S. (2012): World Regional Geography, New Academic Publishing Co., Jalandhar.

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SEMESTER III

PAPER – IV (Elective Paper IV)

Marks-100 4 Credits

Semester Examination=80Marks

Internal Assessment=20 Marks

Geography of Europe

Unit – I

20 Marks

Location and extent Europe in the contest of world – The physiographic Division, Rivers – major, Division of Europe Rivers. Rocks and Soil types

Unit II –

20 Marks

Asia Climate - Characteristics of Europe climate, Rainfall Distribution, Climatic Regions. Natural Vegetation, Types of Vegetation and its conservation

Unit III –

20 Marks

Major Mineral (Copper, Chromium, Silver, Zinc) and power resources (Coal, petroleum, hydro-electricity) their distribution in Europe

Unit IV –

20 Marks Spatial

distribution of population and density, population problems in Asia, Nature of Urbanization, problems of Urbanization in Asia. Agriculture – Importance of Agriculture in Asian Economy, characteristics, problems of Asian Agriculture.

Recommended Books:

- Bradshaw, Michael et al (2008): Contemporary World Regional Geography, McGraw – Hill, New York.
- Gautam, Alka (2020): Regional Geography of the World, Sharda Pustak Bhawan, Allahabad.
- Hobbs, Joseph J. (2008): World Regional Geography, Books/ Cole, California.
- Husain, Majid (2016): World Geography, Rawat Publications, Jaipur.
- Johnson, Douglas L. et al (2011): World Regional Geography, Prentice Hall of India, New Delhi.
- Manku, Darshan Singh (2017): A Regional Geography of the World, Kalyani Publishers, Ludhiana.
- Maurya, S.D. (2021): World Regional Geography, Pravalika Publications, Prayagraj.
- Tikka, R.N., Bali, P.K. and Sekhon, M.S. (2012): World Regional Geography, New Academic Publishing Co., Jalandhar.

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Marks-100 4 Credits
Semester Examination=80Marks
Internal Assessment=20 Marks

SEMESTER III
PAPER – IV (Elective Paper V)

Geography of Australia

Unit – I

20 Marks

Location and extent Australia in the contest of world – The physiographic Division, Rivers – major, Division of Australian Rivers. Rocks and Soil types

Unit II –

20 Marks

Australian Climate - Characteristics of Australia climate, Rainfall Distribution, Climatic Regions. Natural Vegetation, Types of Vegetation and its conservation.

Unit III –

20 Marks

Major Mineral (Iron, Aluminium, Gold & Diamand, Zinc) and power resources (Coal, petroleum, hydro-electricity) their distribution in Australia

Unit IV –

20 Marks Spatial

distribution of population and density, population problems in Australia, Nature of Urbanization, problems of Urbanization in Australia. Agriculture – Importance of Agriculture in Australian Economy, characteristics, problems of Australian Agriculture.

Recommended Books:

- Bradshaw, Michael et al (2008): Contemporary World Regional Geography, McGraw – Hill, New York.
- Gautam, Alka (2020): Regional Geography of the World, Sharda Pustak Bhawan, Allahabad.
- Hobbs, Joseph J. (2008): World Regional Geography, Books/ Cole, California.
- Husain, Majid (2016): World Geography, Rawat Publications, Jaipur.
- Johnson, Douglas L. et al (2011): World Regional Geography, Prentice Hall of India, New Delhi.
- Manku, Darshan Singh (2017): A Regional Geography of the World, Kalyani Publishers, Ludhiana.
- Maurya, S.D. (2021): World Regional Geography, Pravalika Publications, Prayagraj.
- Tikka, R.N., Bali, P.K. and Sekhon, M.S. (2012): World Regional Geography, New Academic Publishing Co., Jalandhar.

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SEMESTER III

Marks-100 4 Credits

PAPER – V Research Project

Research Project:

Research Project on Major Geographical aspects (Branches) of M. A. semester III Students **Select the Research Project and Submission of the Research Project report.**

- (A) Introduction & Review of literature,
- (B) Statement of problem,
- (C) Objectives and Hypothesis,
- (D) Collection of data and Methodology,
- (E) Analysis of Data: Tabulation and Classification of data, Cartographic techniques,
- (F) Result and discussion,
- (G) Conclusion and Recommendation,
- (H) References, Bibliography.

Submission of Dissertation:

1. Each student will prepare an individual report based on primary and secondary data collected during fieldwork.
2. The duration of the fieldwork should not exceed 10 days and the fieldwork should be done within the Maharashtra State.
3. The word count of the report should be about 8000 to 10,000 excluding figures, tables, photographs, maps, references and appendices.
4. Figures, tables, photographs and maps should be included in the report.
5. One copy of the report printed on A4 size paper with one and half space between lines and margins of 2.5 centimetres (1 inch) on the up, down and right sides and 4 centimetres (1.5 Inches) on the left side should be submitted in soft /hard binding.

Research Project Report: 80 Marks

Viva- Voce: 20 Marks

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Semester - IV

Marks-100 4 Credit

PAPER –I (Core Subject)

Semester Examination=80marks

Internal Assessment = 20 marks

GEOGRAPHY OF SETTLEMENT

Unit - I

20 Marks

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

Unit - II

20 Marks

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

Unit - III

20 Marks

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

20 Marks

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. Sidharth & Mukherjee: Urbanization, system and process

Tiwari: Settlement Geography

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Semester - IV

Marks-100 4 Credit

PAPER –II (Major paper)

Semester Examination=80marks

Internal Assessment= 20marks

Human Geography

Unit - I

20 Marks

Nature and Scope of Human Geography, Branches of Human Geography, human Races- Meaning, Criteria of Racial types, Brief History of Racial Classification, Races of India.

Unit - II

20 Marks

Early Economic Activities of mankind, Food Gathering, Hunting, Fishing and shifting cultivation, Human Adaption to the Environment Cold region- Eskimo, Hot region-Bushman, Plateau-Gonds and Mountain region-Gujjars.

Unit - III

20 Marks

Population distribution; Origin, function, and classification of rural and urban settlement; Types of agriculture.

Unit - IV

20 Marks

Economic Structures of Mankind: Consumption (Primary, secondary, tertiary, quaternary, and quinary) and exchange; Rostow's economic growth model; Human development.

Suggested Reading:

Chorley, R. J. & Hagget (1967): Models of Human Geography, London.

Chisholm (1957): Human Geography, Evolution and Revolution of Man, Penguin Books.

Dickinson, R.E. (1969): Makers of Modern Geography, London.

Wankhede Deepak M. (2008): Socio-Economic Development of Scheduled Castes, Gautam Book Centre Publication, New Delhi

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Semester - IV

Marks-50 Credit-2


PAPER -III

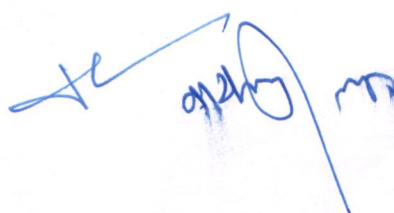
PRACTICAL - IV


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)

1. Collection and organization of statistical data. Majors of central tendencies and dispersion. 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)
3. Correlation - A. Pearson's product moment correlation B. Spearman's rank correlation. Correlation significance test (10Marks - 2 Periods)
4. Regression line and Confidence limits (10 Marks - 2 Periods)
5. Practical Record and Voice -Viva (10 Marks)


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Marks-100 Credit-4

Semester Examination=80 marks

Internal assessment =20 marks

Semester IV
PAPER –IV (Elective Paper I)

REGIONAL PLANNING

Unit - I

20 Marks

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. Type 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

20 Marks

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

Unit - III

20 Marks

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

20 Marks

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. (1976); Micro-level Planning: a case study of Karnal Areas, Harayana K.B. Publications New Delhi

Friedman J and Alonso W (1967): Regional Development and Planning, A case study of Venezuela M I T Press Cambridge Mass.

Glikson Arthur (1955) Regional Planning and Development, Netherland Universities foundation for international co-operation. London

Government of India Planning commission (1961); Third Five Year Plan, Chapter on Regional imbalances in Development, New Delhi

Semester - IV

PAPER – IV (Elective Paper II)

Marks-100 Credit-4

Semester Examination=80Marks

Internal Assessment=20marks

Environmental Geography

Unit-I

20 Marks

Geography as a study of Environment, Development of environmental studies, Approaches to environmental studies, concepts of ecology and ecosystem. Man-environment relationship. Environmental movements-Chipko Andolan, Narmada dam Andolan, Si lent Valley Movement.

Unit-II

20 Marks

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

20 Marks

Environmental management: Environmental education, preservation of ecological balance at local, regional and National level, Major environmental policies and programme. Sample studies: Ganga Action Plan, Tiger Projects in Maharashtra, Environment laws.

Unit –IV

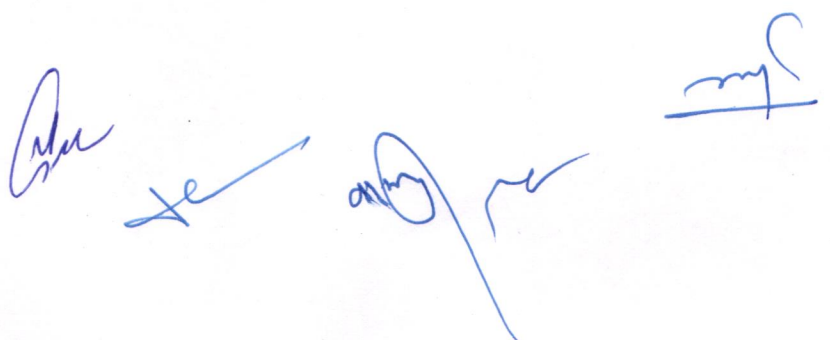
20 Marks

Emerging Environmental issues: Population explosion, food security, global warming, conservation of bio-diversity, Bio-Diversity Act2002, Sustainable development. Impact of irrigation, Problem of rehabilitation of people. Environmental Impact Assessment notification 1994.

Suggested reading:

Singh Savindra: Environment Geography, Prayag Praksasha

Lal B.S. : Environment Geography



Semester - IV

Marks-100 Credit-4

PAPER – IV (Elective Paper III)

Semester Examination =80 Marks

Internal Assessment =20 Marks

POLITICAL GEOGRAPHY

UNIT – I

20 Marks

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 –II

20 Marks

Evolution of state: origin of state, state of nation. Elements of state location, Shape, Size, Relief, Economic and culture. Frontiers and Boundaries – Definitions of Boundary and frontiers. Functional and morphological classification of Boundaries – boundary problems in India.

UNIT –III

20 Marks

International politics – meaning and subject matter, core Areas – meaning, characteristics, core areas of Different continents. Capital – classification of capitals, factors determining capital, functions of capital.

UNIT – IV – Non – Aligned – Movement (NAM) –

20 Marks

Non- Aligned – Movement and India. South Asian Association for regional Co-operation (SAARC), Commonwealth and Super nationalism U.N.O. Indian Federalism. Geo - Politics of Indian Ocean.

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 – Edward F. Bergmen
- 7) Political Geography – Peter Taylor
- 8) Background of Political Geography – G. R. Crone
- 9) Geography of Modern Politics – Lucils Carlson & philbrick.
- 10) An Atlas of World Affairs – Andrew Boyd.
- 11) Geography of Politics in a divided world – S. B. Chohen
- 12) Basic Principals of Geopolitics and History – Debabrata Sen.

Semester - IV
PAPER – IV (Elective Paper IV)

Marks-100 Credit-4
Semester Examination =80 Marks
Internal Assessment =20 Marks

Geography of North America

Unit – I

20 Marks

Location and extent North America in the contest of world – The physiographic Division, Rivers – major, Division of North American Rivers. Rocks and Soil types

Unit II –

20 Marks

North American Climate - Characteristics of North America climate, Rainfall Distribution, Climatic Regions. Natural Vegetation, Types of Vegetation and its conservation.

Unit III –

20 Marks

Major Mineral (Iron, Aluminium, Copper, Nickel) and power resources (Coal, petroleum, hydro-electricity) their distribution in North America

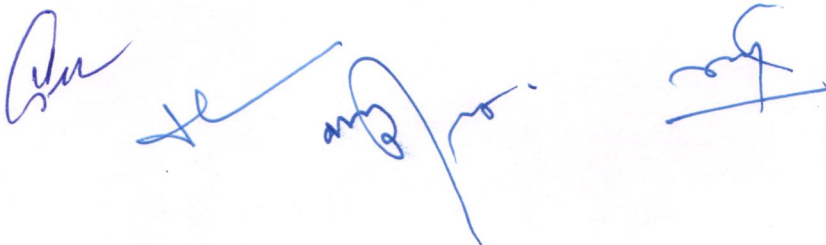
Unit IV –

20 Marks

Spatial distribution of population and density, population problems in North America, Nature of Urbanization, problems of Urbanization in North America. Agriculture – Importance of Agriculture in North American Economy, characteristics, problems of North American Agriculture.

Recommended Books:

- Bradshaw, Michael et al (2008): Contemporary World Regional Geography, McGraw – Hill, New York.
- Gautam, Alka (2020): Regional Geography of the World, Sharda Pustak Bhawan, Allahabad.
- Hobbs, Joseph J. (2008): World Regional Geography, Books/ Cole, California.
- Husain, Majid (2016): World Geography, Rawat Publications, Jaipur.
- Johnson, Douglas L. et al (2011): World Regional Geography, Prentice Hall of India, New Delhi.
- Manku, Darshan Singh (2017): A Regional Geography of the World, Kalyani Publishers, Ludhiana.
- Maurya, S.D. (2021): World Regional Geography, Pravalika Publications, Prayagraj.
- Tikka, R.N., Bali, P.K. and Sekhon, M.S. (2012): World Regional Geography, New Academic Publishing Co., Jalandhar.



Marks-100 Credit-4

Semester Examination =80 Marks

Internal Assessment =20 Marks

Semester - IV
PAPER – IV (Elective Paper V)

Geography of Africa

Unit – I

20 Marks

Location and extent Africa in the contest of world – The physiographic Division, Rivers – major, Division of African Rivers. Rocks and Soil types

Unit II –

20 Marks

African Climate - Characteristics of African climate, Rainfall Distribution, Climatic Regions. Natural Vegetation, Types of Vegetation and its conservation.

Unit III –

20 Marks

Major Mineral (Iron, Aluminium, Copper, Nickel) and power resources (Coal, petroleum, hydro-electricity) their distribution in Africa.

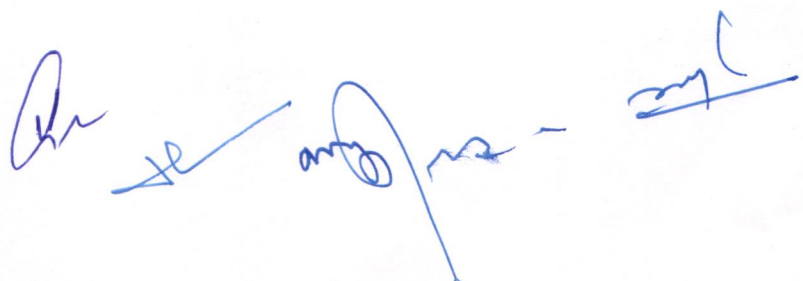
Unit IV –

20 Marks

Spatial distribution of population and density, population problems in Africa, Nature of Urbanization, problems of Urbanization in Africa. Agriculture – Importance of Agriculture in Africa Economy, characteristics, problems of African Agriculture.

Recommended Books:

- Bradshaw, Michael et al (2008): Contemporary World Regional Geography, McGraw – Hill, New York.
- Gautam, Alka (2020): Regional Geography of the World, Sharda Pustak Bhawan, Allahabad.
- Hobbs, Joseph J. (2008): World Regional Geography, Books/ Cole, California.
- Husain, Majid (2016): World Geography, Rawat Publications, Jaipur.
- Johnson, Douglas L. et al (2011): World Regional Geography, Prentice Hall of India, New Delhi.
- Manku, Darshan Singh (2017): A Regional Geography of the World, Kalyani Publishers, Ludhiana.
- Maurya, S.D. (2021): World Regional Geography, Pravalika Publications, Prayagraj.
- Tikka, R.N., Bali, P.K. and Sekhon, M.S. (2012): World Regional Geography, New Academic Publishing Co., Jalandhar.



SEMESTER IV

Marks-150 Credits -6

PAPER – V Research Project

Research Project:

Research Project on Major Geographical aspects (Branches) of M. A. semester IV Students **Select the Research Project and Submission of the Research Project report.**

- (A) Introduction & Review of literature,
- (B) Statement of problem,
- (C) Objectives and Hypothesis,
- (D) Collection of data and Methodology,
- (E) Analysis of Data: Tabulation and Classification of data, Cartographic techniques,
- (F) Result and discussion,
- (G) Conclusion and Recommendation,
- (H) References, Bibliography.

Submission of Dissertation:

1. Each student will prepare an individual report based on primary and secondary data collected during fieldwork.
2. The duration of the fieldwork should not exceed 10 days and the fieldwork should be done within the Maharashtra State.
3. The word count of the report should be about 10,000 to 12,000 excluding figures, tables, photographs, maps, references and appendices.
4. Figures, tables, photographs and maps should be included in the report.
5. One copy of the report printed on A4 size paper with one and half space between lines and margins of 2.5 centimetres (1 inch) on the up, down and right sides and 4 centimetres (1.5 Inches) on the left side should be submitted in soft /hard binding.

Research Project Report: 100 Marks

Viva- Voce: 50 Marks

Lakhe
08/02/2024
V.N. Lakhe

Lakhe
08/02/2024

Lakhe

08/02/2024

08/02/2024