

**Rajeev Gandhi Govt. Post Graduate College
Ambikapur, Surguja, (C.G.) India**

Department Of Geography, Post Graduate Studies &
Research Centre



NEP Based
FOUR YEARS UNDERGRADUATE PROGRAMME
IN
B.A.GEOGRAPHY

*(Discipline Specific Course , Discipline Elective Course and Value Added
Course (DSC , DSE & VAC)*

With
PROGRAMME OUTCOME & Graduate Attributes

Syllabus

B.A.- CERTIFICATE/DIPLOMA/DEGREE COURSES

PROGRAMME OUTCOME FOR B.A.

CERTIFICATE/DIPLOMA/DEGREE COURSES

(Based on NATIONAL EDUCATION POLICY-2020)

Geography mainly concerns changes in spatial attributes in a temporal perspective. The Honors Programme in geography is tailored to meet the students' specific educational and professional goals in mind. It focuses on spatial studies, qualitative as well as quantitative, and emphasizes on human-environment relationship.

The students will be able to demonstrate ability –

1. To understand concept and theory of their respective subject.
2. To express thoughts and ideas effectively in writing and orally.
3. To identify relationship within and across disciplines in the humanities and social sciences.
4. To cognitive and technical skills in their field and in multidisciplinary context.
5. To select and use relevant methods and tools for problem solving .
6. To make judgment and take decisions, based on analysis of data and evidence.
7. To critically evaluate principles and theory of humanities and social sciences .
8. To able digital literacy and data analysis.
9. To find a job in their field, exercise responsibilities to job assigned and start up a business .
- 10.To develop a sense of respect and duty towards constitutional, human and moral and professional values .
- 11.To Gender sensitivity and adopt gender-neutral approach.
- 12.To mitigating the effects of environmental degradations, climate change and pollution.

B.A. CERTIFICATE/DIPLOMA/DEGREE COURSES

Graduate Attributes

The curriculum uses CBCS framework and organizes under Core Course, Skill Enhancement Course, Elective - Discipline Specific and Elective - Generic Courses. The core courses cover key areas of geography about which all students should have basic knowledge. These courses are grouped as follows:

A. Theory – These courses build up the theoretical and conceptual foundations of geography.

B. Practical – Three courses on Statistical Techniques in Spatial Analysis; Remote Sensing and Geographical Information System, GIScience and Research Methods and Fieldwork in Geography will strengthen the methodological and practical foundations of geography.

C. Regional Approach – Such courses focus on World Geography, Geography of India / different states.

D. Application Oriented – This includes disaster management, climate change, tourism geography, health and wellbeing, etc. Each Course has one objective, three learning outcomes, five uniform contents and reading list incorporating a few Hindi books also wherever possible.

The Graduates should be able to demonstrate the capability to:

1. Disciplinary Knowledge: comprehensive knowledge and understanding of their subject area, the ability to engage with different traditions of thought, and the ability to apply their knowledge in practice including in multi-disciplinary or multi-professional contexts.

Problem solving: Solve different kinds of problems in familiar and non-familiar contexts and apply the learning to real-life situations.

2-Critical thinking:

- apply analytic thought to a body of knowledge, including the analysis and evaluation of policies, and practices, as well as evidence, arguments, claims, beliefs, and their liability and relevance of evidence,
- identify relevant assumptions or implications ;and formulate coherent arguments.

3-Creativity

- create, perform ,or think in different and diverse ways about the same objects or scenarios,
- deal with problems and situations that do not have simple solutions,
- innovate and perform tasks in a better manner,
- view a problem or a situation from multiple perspectives,
- think out of the box and generate solutions to complex problems in unfamiliar contexts adopt innovative, imaginative, lateral thinking, interpersonal skills and emotional intelligence.

4-Communication Skills:

- listen carefully, read texts and research papers analytically, and present complex information in a clear and concise manner to different groups/audiences,
- express thoughts and ideas effectively in writing and orally and communicate with others using appropriate media,
- confidently share view and express her self/himself,
- construct logical arguments using correct technical language related to a field of learning, work/vocation, or an area of professional practice, convey ideas, thoughts, and arguments using language that is respectful and sensitive to gender and other minority groups.

5-Analytical reasoning/thinking

- evaluate the liability and relevance of evidence;
- Identify logical flaws in the argument so others;
- Analyze and synthesize data from a variety of sources;
- Draw valid conclusions and support them with evidence and examples, and addressing opposing view points

6-Research-related skills:

- A keen sense of observation, inquiry, and capability for asking relevant/ appropriate questions
- The ability to problem arise, synthesize and articulate issues and design research proposals,
- The ability to define problems, formulate appropriate and relevant research questions, formulate hypotheses, test hypotheses using quantitative and qualitative data, establish hypotheses, make inferences based on the analysis and interpretation of data, and predict cause-and-effect relationships,
- The capacity to develop appropriate methodology and tools of data collection,
- The appropriate use of statistical and other analytical tools and techniques,
- The ability to plan, execute and report the result so far an experiment or investigation,
- The ability to acquire the understanding of basic research ethics and skills in practicing/doing ethics in the field/in personal research work, regardless of the funding authority or field of study.

7- Coordinating/ collaborating with others:

- Work effectively and respectfully with diverse teams,
- Facilitate cooperative or coordinate effort on the part of a group,
- Act together as a group or at remain the interest so far common cause and work efficiently as a member of a team

8-Learning how to learn ‘skills:

- acquire new knowledge and skills, including ‘learning how to learn’ skills, that are necessary for pursuing learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social, and cultural objectives, and adapting to changing trade and demands of the workplace, including adapting to the changes in work processes in the context of the fourth industrial revolution, through knowledge/skill development/ re skilling,
- work independently, identify appropriate resources required for further learning,
- acquire or generational skills and time management to set self-defined goals and targets with timelines.
- Inculcate a healthy attitude to be a lifelong learner

9-Digital and technological skills

- Use ICT in a variety of learning and work situations,
- access, evaluate, and use a variety of relevant information sources, use appropriate software for analysis of data

10-Multicultural competence and inclusive spirit

- the acquisition of knowledge of the values and belief so multiple cultures and a global perspective to honor diversity,
 - capability to effectively engage in a multicultural group/society and interact respectfully with diverse groups,
 - capability to lead diverse team to accomplish common group tasks and goals.
- Gender sensitivity and adopt gender-neutral approach, as also empathy to the less advantaged and the differently-able including those with learning disabilities.

11-Value inculcation

- embrace and practice constitutional, humanistic ,ethical, and moral values in life, including universal human values of truth, righteous conduct, peace, love, non-violence, scientific temper, citizenship values,
- practice responsible global citizenship required for responding to contemporary global challenges, enabling learners to become aware of and understand global issues and to become active promoters of more peaceful, tolerant, inclusive, secure, and sustainable societies,
- identify ethical issues related to work, and follow ethical practices, including avoiding unethical behavior such as fabrication, falsification or misrepresentation of data, or committing plagiarism, and adhering to intellectual property rights,
- recognize environmental and sustainability issues, and participate in actions to promote sustainable development.
- Adopt objective, unbiased, and truthful actions in all aspects of work ,in still integrity and identify ethical issues related to work, and follow ethical practices

Rajeev Gandhi Govt. Post Graduate College Ambikapur, Chhattisgarh
(An Autonomous College)

Undergraduate Programme Scheme (NEP)

Discipline Specific Course and Discipline Elective Course (DSC and DSE)

Semester	Name of Programme	Course Name	Course Title	Course Code	Credit	Marks				Total Marks
						Theory	Test	Seminar	Assessment	
I	B.A.	<i>Discipline Specific Course</i>	Fundamental Of Physical Geography	DSC-1	3	80	8	6	6	100
I	B.A.	<i>Practical</i>	Scale and Graphs	PR-1	1	50	-	-	-	50
II	B.A.	<i>Discipline Specific Course</i>	Fundamental Of Human Geography	DSC-2	3	80	8	6	6	100
II	B.A.	<i>Practical</i>	Geographical Methods of the Statistical data	PR-2	1	50	-	-	-	50
III	B.A.	<i>Discipline Specific Course</i>	Systematic Geography of India	DSC-3	3	80	8	6	6	100
III	B.A.	<i>Practical</i>	Study Of Topographical Sheet And Indian Weather Maps	PR-3	1	50	-	-	-	50
III	B.A.	<i>Discipline Elective Course</i>	Geography of Health	DSE-1	4	80	8	6	6	100
III	B.A.	<i>Practical</i>	Map Projection and Quantitative Techniques	PR (DSE)-3	1	50	-	-	-	50
IV	B.A.	<i>Discipline Specific Course</i>	Economic Geography	DSC-4	3	80	8	6	6	100
IV	B.A.	<i>Practical</i>	Field Survey-Instrumental	PR-4	1	50	-	-	-	50

B.A. - Geography
Semester- I

Course Title- Fundamental Of Physical Geography

Course Type- Discipline Specific Core		Course Code-DSC -
Total Credit- 3 (Theory)		
SEE- 80	CCA-20	
<p>Question Pattern- (i) Objective Type Question- MCQ, Fill in Blank, True/False, Total 9 Question (ii) Very Short Answer Type- Word Limit 70-100 Total -03 Questions (iii) Short Answer Type - Word Limit 200-250 Total -03 Questions (iv) Long Answer Type - Word Limit 500-600 Total -03 Questions</p>		
<p>Course Outcome:- CO-1-The course on Fundamental of Physical Geography will discuss the basic concepts in Physical Geography.</p> <p>CO-2-It is specifically designed to give an exposure of Physical geographical concepts to students other than formal students of Geography.</p> <p>CO-3-Student will be able to understand the Physical aspect of Geographical concepts which are relevant in day to day life.</p> <p>CO-4- Acquire knowledge about types of folds and faults and earthquakes, volcanoes and associated landforms.</p> <p>CO-5-Overview and critical appraisal of landform development models and Atmospheric Condition.</p> <p>CO-6-Ablity to record temperature, pressure, humidity , rainfall and Oceanic Features and Conditions.</p> <p>CO-7- On the Basis of the Inter-relationship between the atmosphere and the oceans , Climat will help in understanding the Conditions of the climate.</p>		

B.A. Honours- Geography

Semester- I

Course Title- Fundamental Of Physical Geography

Unit- I 12Hours	Lithosphere- Definition and Scope of Physical Geography ,Origin of the Earth- Nebular theory, Hoyle and Littleton . Interior of the earth:- Composition and Structure Folds and Faults- Origin and Classification.
Unit- II 12 Hours	Rocks: - Origin, Classification and Characteristics. Weathering Meaning, Types. Agents of Erosion- Winds and River and their resultant topographical features.
Unit- III 10 Hours	Atmosphere- Elements of Weather and Climate, Composition of the Atmosphere, Atmospheric Temperature, Pressure Belt, winds, Tropical Cyclone and Origin and mechanism of Monsoon
Unit- IV 11 Hours	Hydrosphere- Relief of the Ocean Basins-Tetrahedral theory. Hydrological Cycle, Ocean Salinity, Ocean Temperature-vertical and horizontal Distribution , Ocean Currents (Pacific and Indian)

Books Recommended:

1. Alan H. Strahler, Arthur Strahler, *Introducing Physical Geography*, John Wiley & Sons, New York, 2005
2. Monkhouse, F.J., *Principles of Physical Geography*, Hodder and Stoughton, London.1960
3. Strahler, A.N. and Strahler, A.H., *Modern Physical Geography*; John Wiley & Sons, Revised edition 1992
4. Thornbury, W.D., *Principles of Geomorphology*, Wiley Eastern, 1969
5. Critchfield, H., *General Climatology*, Prentice-Hall, New York,1975.
- 6 .Savindra Singh- *Physical Geography*(Hindi and English Both) Prawalika Publication Prayagraj
7. Lal D.S.,*Climatology & Oceanography* (Hindi and English Both) Sharda Pustak Bhavan Prayagraj
- 8 Mazid Husain- Bhautik Bhoogol,Rawat Publication, Jaipur,2019
- 9.Alka Gautam- Bhautik Bhoogol , Rastogi Publication, Meerut,

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B.A. Geography
Semester- I-Practical

Course Title- Scale and Graphs

Credit- 01 (Credit hours-30)

Max. Marks : 50

Course Outcome-

- CO1- Understand and prepare different kinds of Scales and comprehend the concept of scales and representation of data through graphs.
CO2- The Study of Scale will help in the map making and develop an idea about scale and draw different types of scale like linear, diagonal etc.
CO-3- The Study of Graphs and Diagrams will help in the presentation of statistical data.
CO4- Development of observation skills.
CO5- They can know about the Data and various type of Graphs.

Unit I 10 Hours	Scale: Statement Scale, Representative Fraction (R.F.), Linear Scale- Simple, Diagonal, Comparative, and Time Scales.
Unit II 10 Hours	Methods of Showing Relief Contour: Representation of different landforms by contours. Drawing Of Profile-Serial, Composite and Super Imposed
Unit III 10 Hours	Graph and Diagram: Line graph, Bar Diagram Circle Diagram, Pie Diagram.

Books Recommended:

1. Davis, R.N. and Foote, F.S. (1953): Surveying, 4th edition, McGraw Hill Publication, New York.
2. Jones, P.A. (1968): Fieldwork in Geography, Longmans, Green and Company Ltd., First Publication, London.
3. Monkhouse, F.J. and Wilkinson, F.J. (1985): Maps and Digrams. Methuen, London.
4. Natrajan, V. (1976): Advanced Surveying, B.I. Publications., Mumbai.
5. Pugh, J.C. (1975): Surveying for Field Scientists, Methuen and Company Ltd., London, First Publication.
6. Sarkar, A.K. (1997): Practical Geography : A Systematic Approach. Orient London, Kolkata.
7. Sharma, J.P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd edition.
8. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.
9. Singh, L.R. (2006) : Fundamentals of Practical Geography, Sharda Pustak Bhawan,

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B.A. Geography
Semester- II
Course Title- Fundamental Of Human Geography

Course Type- Discipline Specific Core	Course Code- DSC
Total Credit- 3	
SEE- 80	CCA-20
Question Pattern- (i) Objective Type Question- MCQ, Fill in Blank, True/False, Total 10 Question (ii) Very Short Answer Type- Word Limit 70-100 Total -3 Questions (iii) Short Answer Type - Word Limit 200-250 Total -03 Questions (iv) Long Answer Type - Word Limit 500-600 Total -03Questions	
Course Outcome – CO-1- Gain knowledge about major themes of human Geography. CO-2- Acquire knowledge on the history and evolution of humans. CO-3- Understand the approaches and processes of Human Geography as well as the diverse patterns of habitat and adaptations. CO 4- Development an idea about space and society CO 5-Understand the evolution of varied types of economic activities. CO 6-Appreciate the varied aspects of development and regional disparity, in order to formulate measures of balanced development and sustainable development.	

B.A. Geography Honors

Semester- II

Course Title- Fundamental Of Human Geography

Unit- I 12 Hours	Introduction to Human Geography i. Definition, nature and scope. ii. Fundamental concept in Human Geography . iii. Understanding of man nature relationship: Determinism, Possibilism and Neo-determinism.
Unit- II 13 Hours	Population and Settlement i. Growth of population, distribution and density of the world. ii. Socio economic Pattern of Population ii. Migration: causes, and types iii. Theory and Model of population growth: Malthus iv. Structure, Types and characteristics of human settlement.
Unit- III 10 Hours	Human Races- i. Human races- world distribution; ii. Habitat and economy of selected communities (Gond, Eskimo, Bushmen).
Unit- IV 10 Hours	Geography and Development. i. Indicators and measures of Regional development . ii. Global pattern of development: inter-regional variations, HDI. iii. Concept of Sustainable Development.

Reading List

1. Bergwan, Edward E., *Human Geography: Culture. Connections and Landscape*, Prentice Hall, New Jersey. 1995
2. Carr, M., *Patterns, Process and change in Human Geography*, MacMillan Education, London, 1987
3. Daniels Peter, Bradshaw Michae, Shaw Davil and Side way James, *Human Geography: Issues for the Twenty First Century*, Prentice Hall, New Jersey, 2001
4. James, M. Robenstein, *An Introduction to Human Geography*, Prentice Hall, New Jersey, 2001
5. Michael, Can, *New Patterns: Process and Change in Human Geography Nelson*, 1997
- 6- Hussain Mazid- *Human Geography*, Rawat Publication Jaipur
- 7-Garg H.S. *Manav Bhoogol*, SBPD Publication, Agra.
- 8.Haroon Mohammad, *Manav Bhoogol*, Wisdom Publication
9. Kausik S.D. *Manav avam Arthik Bhoogol*, Rastogi publication Meerut.

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B.A. Geography Honours Semester- II

Course Title- Practical (Geographical Methods of the Statistical Technique)
Credit-01 (Hours-30) Max. Marks : 50

Course Outcome-

CO1-Understand and prepare different kinds of Diagrams and maps.

CO2- Recognize basic themes of map making.

CO3-Knowledge of Statistics performance is obtained on the basis of primary and secondary data from various sources. .

CO4-Develop an idea about different type of distribution mapping techniques like dot map, choropleth map and isopleth map

CO5-As map making is the sole purpose of geographers, by going through this paper students can acquire good knowledge about different procedure of map making and various projection system of map making by developing broad knowledge about latitude, longitude, meridians, parallels etc.

Unit I	One Dimensional Diagram- Simple Pyramid, Wind Rose, Graph- Hythergraph, Climograph
Unit II	Distributional Maps- Isopleths, Choropleth Method ,Dot Method
Unit III	Map projection - Concept and Classification. Conical projection With one Standard Parallel , Bonne,s Projection.
Unit IV	Cylindrical Projection- Simple , Equal area

Books Recommended:

1. Davis, R.N. and Foote, F.S. (1953): Surveying, 4th edition, McGraw Hill Publication, New York.
2. Jones, P.A. (1968): Fieldwork in Geography, Longmans, Green and Company Ltd., First Publication , London.
3. Monkhouse, F.J. and Wilkinson, F.J. (1985): Maps and Digrams. Methuen, London.
4. Natrajan, V. (1976): Advanced Surveying, B.I. Publications., Mumbai.
5. Pugh, J.C. (1975): Surveying for Field Scientists, Methuen and Company Ltd., London, First Publication.
6. Sarkar, A.K. (1997): Practical Geography : A Systematic Approach. Orient London, Kolkata.
7. Sharma, J.P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd edition.
8. Singh, L.R. (2006) : Fundamentals of Practical Geography, Sharda Pustak Bhawan,

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Rajeev Gandhi Govt. Post Graduate College Ambikapur, Chhattisgarh

B.A. Geography

Semester- III

Course Title- Systematic Geography of India

Course Type- <i>Discipline Specific Course</i>	Course Code-DSC -3
Total Credit- 3	
SEE- 80	CCA-20
Question Pattern- (i) Objective Type Question- MCQ, Fill in Blank, True/False, Total 12 Question (ii) Very Short Answer Type- Word Limit 70-100 Total -05 Questions (iii) Short Answer Type - Word Limit 200-250 Total -05 Questions (iv) Short Answer Type - Word Limit 500-600 Total -05 Questions	
Course Outcome- CO1- To describe various geographical aspects of land, people and economy of Indian sub continent. CO2- The students will appreciate the relevance of geographical knowledge of India to understand the contemporary issues. CO3- In-depth knowledge of climate, natural vegetation, agriculture and energy,resources and industries of India CO4- Conceptualize the systematic approaches and to examine regional differentiation in the study of India CO5- Recognize regional identities and environmental dimension of regionalization to address the issues and concern needed for regional planning of India.	

Rajeev Gandhi Govt. Post Graduate College Ambikapur, Chhattisgarh
B.A. Geography
Semester- III
Course Title- Systematic Geography of India

Unit- I 12 Hours	Physical Setup - Physiographic Division of India . Major Drainage System – Himalayan and Peninsular Rivers. Climate and Its Characteristics.
Unit- II 13 Hours	Natural Resources- Soils types and distribution. Natural Vegetation. Mineral Resources Production and Distribution:- Iron-ore and Bauxite Energy Resources: Coal, Petroleum, Non -Conventional- Hydro-electricity, Solar and Wind.
Unit- III 10 Hours	People and Economy- Growth of population, distribution and density; Urbanization and mobility. Agriculture growth; agricultural regions; Industrial growth; industrial regions of India; SEZ. Transport and Communication; Composition of domestic and foreign trade.
Unit- IV 10 Hours	Regionalization-R.L. Singh, OHK Spate, Regional studies Of India- Kashmir Valley, Narmada basin, Great Indian Desert.

Books Recommended

1. Deshpande, C.D (1992) ., *India- A Regional Interpretation*, Northern Book Centre, New Delhi, 2. Govt. of India, *National Atlas of India*, NATMO Publication, Calcutta
3. Khullar, D.R. (2006), *India: A Comprehensive Geography*, Kalyani Publication, New Delhi,
4. Mitra, A., *Levels of Regional Development in India*, Census of India, Vol I, Part I-A (i) and (ii), New Delhi, 1967
5. Tiwari R.C.(2018) *Bharat Ka Bhoogol*, Pravalika Publication, Prayag
- 6..C.B. Mamoriya, *Bharat Ka Vrihat Bhoogol*, Sahitya Bhavan Agra.
7. Saxsena H.M.,(2019) *Bharat Ka Bhoogol*, Ravat Publication, Jaipur
8. Sinha, Anil kumar,(2021) *Bharat me Krishi Vikas*, Asian Press Books, Kolkata.
- 9.Chauhan P.R. Mahatam Singh(2004)*Bharat ka Vrihad Bhoogol*, Vasundhara Prakasan, Gorakhpur
- 10- Singh R. L.(Editor) –*India A Regional Geography* , NGSi Varanasi, 1971

B.A. Geography

Semester- III

Course Title- Practical - Study Of Topographical Sheet And Indian Weather Maps

Credit-1 Max. Marks : 50

Course Outcome-

CO-1-Through this paper students are able to know about different map reading and map analysis techniques along with develops an idea about Topographical Map and can able to prepare weather maps of India for different season.

CO2-Study of Topographical sheet help in Understanding the surface feature.

CO3- Study of Topographical sheet increases understanding of physical and cultural features with the help of maps.

CO4-The understanding of weather and climate related events will increase day by day.

CO5- . Understanding the functions of metrological instruments and will help predicting the weather.

Unit I	History Of Indian Topographical Map, Conventional Sign,
Unit II	Method of Study of Topographical map,- Primary Information ,Physical Elements, Cultural Elements.(64 Series)
Unit III	Indian Weather Maps-Elements Of Climate and Metrological Instruments. Indian Weather Symbols.
Unit IV	Interpretation Of Indian Daily Weather Maps- Pre and Post Monsoon.

1-Singh Rana P.B. – Elements Of Practical Geography. kalyani Publishers

2- Chauhan P.R. Practical Geography, Vasundhara Publication, Gorakhpur

3. Sarkar, A.K. (1997): Practical Geography : A Systematic Approach. Orient London, Kolkata.

4. Sharma, J.P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd edition.

5. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.

6. Singh, L.R. (2006) : Fundamentals of Practical Geography, Sharda Pustak Bhawan,

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B.A. Geography

Semester- III

Course Title- Geography Of Health

Course Type- -Disciplinary Elective Course	Course Code- DSE
Total Credit- 3	
SEE- 80	CCA-20
Question Pattern- (i) Objective Type Question- MCQ, Fill in Blank, True/False, Total 12 Question (ii) Very Short Answer Type- Word Limit 70-100 Total -05 Questions (iii) Short Answer Type - Word Limit 200-250 Total -05 Questions (iv) Short Answer Type - Word Limit 500-600 Total -05 Questions	
Course Outcome- CO1- Gain knowledge about major themes of human health. CO2- The understanding of the interrelationship between human health and environment Elements will increase. CO3- The diseases caused by humans are related to spatial characteristics and pollution related factors, the study of health geography increase its understanding. CO-4- Understand the relationship of man , environment and health. CO-5- Which is aimed at providing knowledge about the human health and It's also give knowledge about infrastructure and facilities of health care services	

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B.A. Geography
Semester- III
Course Title- Geography Of Health

Unit- I 12 Hours	Nature, scope and importance of geography of health. Development of this area of specialization; Indicators of health.
Unit- II 13 Hours	Geographical factors affecting human health and diseases - (i) Physical factors- relief, climate, soils and vegetation. (ii) Socio-Economic factors- population ,literacy, poverty.- nutrition (iii) Environmental factors-water, air , noise pollution and solid waste .
Unit- III 10 Hours	Classification and type of diseases, . Pattern of World distribution of major diseases. Transmission of major diseases:- cholera, malaria, tuberculosis, hepatitis, AIDS and STDS
Unit- IV 10 Hours	Problems of mal-nutrition in India. Health-care planning:- (i) international level-WHO, UNICEF, Red Cross (ii) National level-Government and NGOs, Health Care Planning and Policies ; Health care services; Primary health care; Inequalities in health care services in India;

Books Recommended

1. Banerjee, B. and Hazra J. : Geo-Ecology of Cholera in West Bengal, University of Calcutta, Calcutta 1980.
2. Cliff, A. and Haggett, P. : Atlas of Disease Distribution. Basil Blackwell, Oxford, 1989.
3. Digby, A. and Stewart, L. (eds.) : Gender, Health and Welfare. Routledge, New York, 1996.
4. Hazra, J. (ed.): Health Care Planning in Developing Countries. University of Calcutta, Calcutta, 1997.
5. Learmonth A.T.A. : Patterns of Disease and Hunger. A Study in Medical Geography. David & Charles, Victoria, 1978.
6. May, J.M.: Studies in Disease Ecology, Hafner Pub., New York, 1961.
7. May, J.M.: Ecology of Human Disease, M.D. Pub., New York, 1959.
8. May, J.M.: The World Atlas of Diseases, Nat. Book Trust, New Delhi, 1970.
9. Mc. Glashan, N.D. : Medical Geography, Methuen, London, 1972.
10. Narayan, K.V.: Health and Development- Inter-Sectoral Linkages in India. Rawat Pub., Jaipur, 1997.
11. Singhai G.C. (1995) Medical Geography, in Hindi, Vasundhara Prakasan Gorakhpur

Rajeev Gandhi Govt. Post Graduate College Ambikapur, Chhattisgarh
B.A. - Geography
 Semester- III

Disciplinary Elective Course(DSE) -Practical

Course Title- Map Projection and Quantitative Techniques

Course Type- DSE- Practical		Course Code- DSE PR (E)-3
Total Credit- 1		
SEE- 50		
Course Outcome – CO1- Gain knowledge about Basic of Practical Geography. CO2- Use various statistical techniques used in Geography. CO3- Construct various types of projections and scales as per requirement of the study. CO4.Collect primary and secondary data in the field. CO.5.Apply various statistical formulas to analyze data		

Unit-I 15 hrs	Map Projection- Mercator Projection, Zenithal Projection- Gnomonic Polar Zenithal Projection, Stereographic Polar Zenithal Projection , Orthographic Polar Zenithal Projection
Unit II 15 hrs	Quantitative Techniques- Collection of Data- Primary data, Secondary data, Sampling, Tabulation, Cumulative Frequency Curve , Measurement of Central Tendency- Mean, Median mode, Correlation.

Books Recommended

- 1- Chauhan, P.R. , 2014, Practical Geography, Vasundhara Prakasan Gorakhpur
- 2- Sharma, J.P. 1995, Practical Geography, Rastogi Publication, Meerut
- 3- Khullar, D.R. (2014) Practical Geography, Kalyani Pulishers, Ludhiyana
- 4- Mishra, R.N. (2019) Practical Geography,Rawat Publication, Jaipur

B.A. Geography

Semester- IV

Course Title- Economic Geography

Course Type- <i>Discipline Specific Course</i>		Course Code- DSC
Total Credit- 3		
SEE- 80	CCA-20	
<p>Question Pattern- (i) Objective Type Question- MCQ, Fill in Blank, True/False, Total 12 Question</p> <p>(ii) Very Short Answer Type- Word Limit 70-100 Total -05 Questions</p> <p>(iii) Short Answer Type - Word Limit 200-250 Total -05 Questions</p> <p>(iv) Short Answer Type - Word Limit 500-600 Total -05 Questions</p>		
<p>Course Outcome:-</p> <p>CO1-Understand the concept of economic activity, factors affecting location of economic activity.</p> <p>CO2-Gain knowledge about different types of Economic activities</p> <p>CO3- Assess the significance of Economic Geography, the concept of economic man and theories of choice.</p> <p>CO4-The course explores the processes of globalization and seeks to provide understanding of today's increasingly interdependent world.</p> <p>CO5- Map and interpret data on production, economic indices, transport network and flows.</p> <p>CO6-Students would be able to understand how in an increasingly globalized world, economic activities occur unevenly over geographical space; how local places and global economy are intertwined, and how the regime of neoliberal policies are generating uneven geography of Capitalist development.</p>		

B.A. Geography

Semester- IV

Course Title- Economic Geography

Unit- I 20 Hours	Definition, Scope and development of economic geography . Economic activities and sectors (primary, secondary, tertiary and quaternary)
Unit- II 15 Hours	Agricultural Economy -Agriculture, forestry, fishing and mining. Industrial Economy -Classification of industries, Manufacturing Industries- Cotton Textile, Iron and Steel and Cement.
Unit- III 15 Hours	Factors Affecting location of Economic Activity -- Agriculture -Von Thunen theory, Industrial location Theory -Weber's theory. Agricultural regions- D. Witlessly. Industrial Regions of the world.
Unit- IV 15 Hours	Trade and Commerce - Special Economic Zones (SEZ) and Technology Parks. World Pattern of Transport and Trade . Mode of transportation and transport cost, , Patterns of International Trade, Globalization. WTO and Developing Countries.

Reading List

1. Alexander J. W., 1963: *Economic Geography*, Prentice-Hall Inc., Englewood Cliffs, New Jersey.
2. Coe N. M., Kelly P. F. and Yeung H. W., 2007: *Economic Geography: A Contemporary Introduction*, Wiley-Blackwell.
3. Hodder B. W. and Lee Roger, 1974: *Economic Geography*, Taylor and Francis.
4. Combes P., Mayer T. and Thisse J. F., 2008: *Economic Geography: The Integration of Regions and Nations*, Princeton University Press.
5. Wheeler J. O., 1998: *Economic Geography*, Wiley..
6. Durand L., 1961: *Economic Geography*, Crowell.
7. Bagchi-Sen S. and Smith H. L., 2006: *Economic Geography: Past, Present and Future*, Taylor and Francis.
8. Willington D. E., 2008: *Economic Geography*, Husband Press.

Rajeev Gandhi Govt. Post Graduate College Ambikapur, Chhattisgarh

B.A. - Geography

Semester- VI

Practical

Course Title- Field Survey- Instrumental

Course Type- DSC -PR	Course Code- PR-VI
Total Credit- 1	
SEE- 50	
Course Outcome – CO1-Every student can gain required excellence in using the Surface Station Instrument. CO2-Students can make accurate designs/plots thus by avoiding any manual errors CO3- Every student can meet the requirement of knowing the Surface Station instrument which is vital for any construction firm. CO4-Diverse knowledge of surveying practices applied for real life problems. CO5-Work with various surveying equipment's, like Chain and Tape etc., in order to apply the Theoretical knowledge to carry out practical field work. CO6-Obtain The knowledge of limits of accuracy will be obtained by making measurements with various surveying equipment employed in practice.	

Unit-I 10 hrs	Importance of Field Survey, Concept of Field Survey .
Unit II 10 hrs	Chain and Tape Survey –Traverse method, Triangulation Method , Construction of Area Plan.
Unit III 10 hrs	Prismatic Compass Survey - Radiation Method, Intersection method, Traverse method
Unit IV 10 hrs	Plane Table Survey - Radiation Method, Intersection method, Traverse method, Resection.

Books Recommended

- 5- Davis, R.E.and Foote. F.S. ,1953 Surveying: Theory and Practical, Tokyo
- 6- Istiaque, M. 1989, A Textbook of Practical Geography, Heritage Publication,New Delhi
- 7- Kanetkar, T.P.and Kulkarni, S.V.,1988 Surveying and Levelling, Pune
- 8- Chauhan, P.R. , 2014, Practical Geography, Vasundhara Prakasan Gorakhpur
- 9- Sharma, J.P. 1995, Practical Geography, Rastogi Publication, Meerut
- 10- Khullar, D.R. (2014) Practical Geography, Kalyani Pulishers, Ludhiyana
- 11- Mishra, R.N. (2019) Practical Geography,Rawat Publication, Jaipur

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