



DEPARTMENT OF
GEOGRAPHY
TEACHING PLAN
GD CR
2023-24

DEPARTMENT OF GEOGRAPHY

Govt. Digvijay College Rajnandgaon (C.G.)
Department of Geography
Academic Calendar 2023-24

S.No.	Proposed Date/ Month	Proposed Activity	Activity Carried Out	Date of Execution
01	May-June 23	1. New Syllabus as per NEP 2. Any Change in MA Syllabus - Board of Study Meeting	1. New Syllabus for - BA I, II, III and IV semesters 2. No Change in MA Syllabus	Board of Study Meeting held on 11 May
02	11 July 23	World Population Day	Dr. S. Jernamti organized World Population Day	11 July
03	Research	Minor Research Project Proposal	State Planning Commission Raipur	21 August 2023
04	5 September	Teachers' Day	Organized by the PG Students	5 September
05	September	Formation of PG Geography Council	Council was formed on the Merit Basis	25 September
06	September- October 23	Seminar/ Workshop	MA (Geography) Students' Centre Rajnandgaon District Level One Week Workshop On Remote Sensing (R.S.) and Geographical Information system (G.I.S.) Organizing Secretary: Dr. K. N. Prasad	04-10-2023 to 11-10-2023
07	September	Tree-Plantation	Tree Plantation near Srijan Samvaad 1. Dr. (Smt) Nivedita A. Lal, Govt. Kamla Devi Rathi PG College ,Rajnandgaon(C.G.) 2. Dr. Kuber Singh Gurupanch , Bharti University Durg (C.G.) 3. Dr. K. K. Dwivedi, Govt. Kamla Devi Rathi PG College ,Rajnandgaon(C.G.)	17-10-2023 05-12-2023
08	October-December 2023	Digvijay Vyakhyaanmala 3 to 4 Lectures	1. Dr. K.N. Prasad, Assit. Prof. 2. Dr. Shradha Devi sahu, GL 3. Shree Hemraj Daura GL 4. Students-Gaurav, Yogeshwari, Kuleshwari Suruchi	07-12-2023 08-12-2023
09	November-2023	Blood Donation - Dainik Bhashkar In the Memory of Its Founder- Late Shri Ramesh Ji	Shri Hemraj Daura , GL and 3 Students namely Mr. Gaurav Kumar Janghel, Mr. Madho Kunjam and Mr. Mithun Sahare donated blood	30 November
10	December- January 2023-24	Extension Activity	1. Dr. K.N. Prasad, Assit. Prof. 2. Dr. Shradha Devi sahu, GL 3. Shree Hemraj Daura GL 4. Students-Gaurav, Yogeshwari, Kuleshwari Suruchi	08-01-2024
11	February 24	Digvijay Vyakhyaanmala 3 to 4 Lectures	4. I. Dr. (Smt) Nivedita A. Lal, Govt. Kamla Devi Rathi PG College ,Rajnandgaon(C.G.) on Social Change in India 5. Dr Shushma Yadav Govt. WWPatankar PG Girls College Durg	06-02-2024 13-02-2024

		On Food Security in India		
12	February 24	8 to 10 Day Geographical-Educational Tour for MA IV sem Students	Gujarat State Tour	18-02-2024 To 25-02-2024
13	February 2024	National Seminar	Situational Formation : Opening New Vistas of Research in Geoscience	01 & 02 March
14	March 2024	One Pre-Ph.D. Submission	Ku. Sandhya Sahu Guide: Dr. Jai Singh Sahu	14-03-2024
15	Publication of Dr. Krishna Nandan Prasad	Research Papers in UGC Care Journal	Spatial Analysis of the Determinants of Pneumonia Disease in North Bastar Kanker District, C.G. India, in The Indian Geographical Journal, Vol.97 (2), December, 2022, pp.141-158 ISSN No.0019-4824	12-01-2024
			Identifying the Privileged Sections Of Scheduled Tribe Population in West Bengal, India: A Search for Elitism, in Indian Journal of Spatial Science, Autumn Issue, 2023:1,14(3),pp.61-68 ISSN No. 2249-3921	10-11-2023
			Anaganwadi Kendron par Matri evam Shishu Swasthya Dekhbhaal ka ek Vishleshan-Aadivaasi Kshetra Ambagarh Chowky Vikashand ke Vishesh Sandarbh mein, in Education and Society, Vol. 46, Issue 4, No.7, July-September 2023 ISSN No. 2278-6864	28-9-2023
			Manpur Vikashand Kshetra mein Swasthya Suvidhaon ka ek Mulyankan, in Education and Society, Vol. 14, Issue 4, No.7, July-September 2023 ISSN No. 2277-9809	25-12-2023

Teaching Plan

Session - 2023-2024

Date _____
Page 01

Dr. K.N. PRASAD

MA I Sem 12.10-01.20

PAPER - II CLIMATOLOGY

Max. Marks End Semester : 80

August Unit I : Meaning, Nature and Scope of Climatology, Climate and Weather, Composition & Structure of the Atmosphere. Heat Budget. Factors Affecting Distribution of Insolation. Vertical and Horizontal Distribution of Temperature;

September Unit II: General Circulation in the Atmosphere, Air Pressure Belts. Air Masses. and Atmospheric Disturbances: Cyclones & Anti-cyclone. Theory of Monsoon Winds: Thermal, ITCZ and Jet Stream. EL Nino And La Nina,

October Unit III: Climatic Classification on the Basis of Temperature and Rainfall.

Climatic Classification of Koeppen and Thornthwaite. Major World Climates: Equatorial, Monsoon, Savannah, Hot Desert, Mediterranean, Tundra .

November Unit IV: Climatic Changes during Geological And Historical Times. Global Warming, Acid Rain. Green House Effects. Applied Climatology.

MA III Sem 10.10-11.20

XIV

Research Methodology

Max. Marks End Semester : 80

July Unit I : Nature and Scope of **Research Methodology**. Scientific Research: Procedure and Characteristics. Research Problem. Research Design.

Hypothesis - Types. Types of Sampling.

August Unit II : Methods of Data Collection- Observation, Questionnaire, Schedule and Interview.

Unit III : Measures of Dispersion: Mean Deviation, Standard Deviation and

Coefficient of Variation.

Correlation: Types , Product Moment, Rank Correlation and Carl Pearson's Co-efficient of Correlation. Linear Regression.

October Unit IV : Data- Processing and Analysis: Coding, Classification, Tabulation and Analysis. Preparation of Research Report. Report : Types and Steps.

PAPER - XV

PRACTICAL-III : QUANTITATIVE TECHNIQUES

Max. Marks: 100

July - Deviation - Mean, Quartile, Standard and Co-efficient of Variation.

August - Dispersion - Lorenz Curve. Nearest Neighbour Analysis

September - Correlation- Product Moment, Rank Correlation,
Carl Pearson's Coefficient of Correlation.

October - Linear Regression.

- Test of Hypothesis: Z Test, F Test, 't' Test and Chi-square Test.

K.Prasad

**PAPER - IX PAPER - IX
REGIONAL DEVELOPMENT AND PLANNING**

Max. Marks End Semester : 80

- January **Unit I :** Regional Planning : Nature and Scope, Aims, Approaches, Evolution, Russian Experience, Indian Experience, Other Experiences.
- February **Unit II :** Region - Definition and its Characteristics and Types. Regional Concepts in Geography. Methods of Regional Delineation. Regional Hierarchy. Planning Regions in India.
- March **Unit III :** Concept of Core and Periphery. Theory of Growth Pole and Growth Centre Development Theory - Myrdal, Hirschman, Frank, Friedman, Mahalanobis.
- April **Unit IV :** Regional Development Policy and Programmes - Tribal Area, Flood-Prone Area, Drought- Prone Area, Hill Area and River Valley (DVC). Community Development Programme.

Khw - S

**PAPER - XVIII
HEALTH GEOGRAPHY**

Max. Marks End Semester: 80

Unit I : Nature and Scope of Geography of Health. Development of Health Geography .
Concept of Health in Ancient Times: Indian, Greek, Chinese and Arabian. ,

January

Concept of Health in Modern Times, Characteristics of Health Care.

- Unit II :** Factors Affecting Human Health:
- Geographical: Relief and Climate.
 - Economic: Income and Place of Work.
 - Social: Literacy and Educational Levels.
 - Environmental: Pollution of Air, Water, Soil.

February

Unit III : Major Diseases: Malaria, Cancer, Tuberculosis, AIDS, Sickle Cell.
Minor Diseases: Deficiency Diseases - Ricket, Beriberi, Night Blindness.

Unit IV : Health Care - International Level: WHO, UNICEF, RED CROSS.
- National Level: CHC and PHC.
- Local Level: Mitnin, Aanganwadis.

Khw - S

PAPER – XIX
SURVEY REPORT ON SOCIO-ECONOMIC STATUS OF A VILLAGE
Max. Marks End Semester:100

SCHEME OF CHAPTERIZATION

Chapter - I Introduction

Statement of the Problem, Objective, Hypothesis, Data, Methods, Review of Literature

Chapter - II Geographical Aspect

Location, Structure, Relief, Drainage, Climate, Vegetation, Soil.

January

Chapter - III Demographic Aspect

Population Density. Composition of Population: Age, Sex, Religion, Caste.
Growth of Population.

Chapter - IV Economic Aspect

Composition of Population: Occupational, Income, Size of Holding.
Agricultural Produce and Productivity. Use of Technology. Loan for Agriculture.
Animal Husbandry- Milch Animals, poultry, Pigistry, Fish.

February

Chapter - V Social Aspect

Education: Literacy – Total, Male, Female, Caste, Religion, Age-wise.
Educational Levels - . Total, Male, Female, Caste, Religion, Age-wise.
Marital Status - Total, Male, Female, Caste, Religion, Age-wise.

Chapter – VI Conclusion

Bibliography

Appendices

checking - March

K. Prasad

Govt. Digvijay Autonomous P.G. College, Rajnandgaon (C.G.)

Teaching-Plan

Class -BA-I Sem- GE.....

Paper -GE.....

Credits -04.....

Month	Unit & Topic	Credit allotted	Period/ Hours Required
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Govt. Digvijay Autonomous PG College
Rajnandgaon (C.G.)
DEPARTMENT OF GEOGRAPHY
BA I Semester – GE I
2023-2024

Sept-Oct
October
November
November

BA I Semester	Units	Hours	Topics
Course: GE-1 Course Name: Physical Geography Credit: 3+1	I	12	Origin of the Earth – Gaseous, Binary and Super nova hypothesis. Geological time table of the Earth. Earth's Interior structure. Plate tectonic.
	II	12	Rocks: Definition, types and their characteristics. Weathering: Definition and their types. Landforms by Erosion: Fluvial, Aeolian, and Coastal.
	III	12	Wind: Planetary, Seasonal and Local. Rainfall: Types and world distribution. Cyclone: Tropical and Temperate.
	IV	12	Ocean water: Wave and current. Tide: Causes, Timing and Types. Ocean resources. Marin population: Sources and measures to control it.
Practical -1 Course name : P-1 Title-concept and construction of scale Credit: 1 Hours: 15		15	Definition and importance of scale (2), Types of scale (2), Conversion of scale (2), Construction of scale – plain (3), Comparative,(3), and Diagonal (3).

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Govt. Digvijay College
RAJNANDGAON (C.G.)

Teaching-Plan

Class - BA-III

Paper - I

Credits - 4

Month	Unit & Topic	Credit allotted	Period/ Hours Required
<p>Govt. Digvijay Autonomous PG College Rajnandgaon (C.G.) DEPARTMENT OF GEOGRAPHY BA Part - III 2023-2024</p>			
<p>Sept- octo</p> <p>October</p> <p>November</p> <p>December</p> <p>January</p>	<p>BA-III Paper - I</p>	<p>Units</p>	<p>Topics</p>
	I	<p>Basics of remote sensing: Definition, history and scope. Electromagnetic radiation: Characteristics spectral regions and bands. Interaction with earth surface features and atmosphere, spectral signature.</p>	
	II	<p>Types of remote sensing: Air borne and space borne, Aerial photos: types and characteristics, Remote sensing satellites, Platforms and sensors: active and passive. Sensor characteristics: spatial resolution, spectral resolution radiometric, temporal resolution, products.</p>	
	III	<p>Visual and digital image processing technique: Remote sensing application in resource mapping and environmental monitoring. Remote sensing in India: development and growth. Indian satellite, space organization and data products.</p>	
	IV	<p>Introduction of GIS: Definition of geoinformatics, scope and importance of geoinformatics, history of GIS, components of GIS, functions of GIS, GIS task-input manipulation, management, query analysis, visualization toposheets, surveying, Aerial photographs, satellite data and image, data types: spatial data and non-spatial.</p>	
	V	<p>Data model and data analysis: Raster data and their characteristic, Vector data and their characteristic, Raster data analysis grid cell and pixel. Vector data analysis - spatial data, generation in vector format, spatial and non -spatial data management, special information technology.</p>	
<p>Practical -1 Sept. to January</p>	<p>Band graph, Hythergraph, Climograph, Star diagram. Indian toposheets map: Explanation and types, classification. Types and analysis of toposheets maps: Analysis based on National and International, physical and cultural element. Satellite Imageries: Interpretation of preliminary information. Visual image interpretation: Land use, land cover. GPS uses and application. Surveying: Plain table survey, intersection and positioning. Importance of field work in geography: Physical socio-economy survey of a small area and preparation of report.</p>		

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Teaching-Plan

Class - MA-III Sem

Paper - XIII

Credits -

Month	Unit & Topic	Credit allotted	Period/ Hours Required
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**Govt. Digvijay Autonomous PG College
Rajnandgaon (C.G.)
DEPARTMENT OF GEOGRAPHY
MA III Sem. – BIO-GEOGRAPHY AND ECO-SYSTEME
2023-2024**

Sept. - to Octo.

October

November

November

MA - III Semester	Units	Topics
	I	Definition and Scope of Bio-Geography. Habitat and Types. Plants-Animal Association. Biome and its Types - Equatorial Rain Forest, Desert, Terrestrial, Aquatic and Grassland (Tropical and Temperate).
	II	Elements of Plant Geography. Distribution of Forests and Communities. Plant Successions in Newly Formed Landforms. Zoo-Geography:
	III	Ecosystem: Components and Function, Tropic level, Ecological Pyramids, Ecological Niche, Energy and Nutrients in Ecosystem. Food Chain and Food Webs.
	IV	Man – Environment Relationship: Resource use and Ecological Imbalance with Reference to soil, Forest and energy resource. Biodiversity and Its Conservation of the Ecosystems through Resource Management. Environment Legislation: The Stockholm Conference and the Earth Summit. Environment Laws in India (the wild life act. Water Act. Environment Protection Act and National Environment Tribunal Act.)

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Teaching-Plan

Class - MA-I Sem

Paper - - III

Credits -

Month	Unit & Topic	Credit allotted	Period/ Hours Required										
<p>Govt. Digvijay Autonomous PG College Rajnandgaon (C.G.) DEPARTMENT OF GEOGRAPHY MA I Sem. – History of Geographical Thought 2023-2024</p>													
Sept. - to Oct.	MA - I Semester												
	<table border="1"> <thead> <tr> <th>Units</th> <th>Topics</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>Nature and Scope of Geography, Place of Geography in the Classification of Science, Concepts in Geography: Science of Relationship, Areal Differentiation, Spatial Distribution, Interaction, Spatial Organization.</td> </tr> <tr> <td>II</td> <td>Contribution of Greeks: Eratosthenes. Contribution of Romans: Ptolemy. Dark Age in Geography Geographical Knowledge in the Ancient Indian Literature. Contribution of the Arab Geographers : Al Beruni, Al Idrishi, Ibn Battuta,</td> </tr> <tr> <td>III</td> <td>Contribution of Various Schools Thoughts in Modern Geography: i German School : Humboldt, Ritter and Ratzel ii French School: Blache, Demangeon iii Anglo-American : J. F. Mackinder, W M Davis, Miss Ellen Churchil Semple.</td> </tr> <tr> <td>IV</td> <td>Determinism, Possibilism and Neo-Determinism. Regional Concept. Dualism in Geography: Physical vs. Human, Systematic vs. Regional. Quantitative Revolution. Future of Geography.</td> </tr> </tbody> </table>	Units	Topics	I	Nature and Scope of Geography, Place of Geography in the Classification of Science, Concepts in Geography: Science of Relationship, Areal Differentiation, Spatial Distribution, Interaction, Spatial Organization.	II	Contribution of Greeks: Eratosthenes. Contribution of Romans: Ptolemy. Dark Age in Geography Geographical Knowledge in the Ancient Indian Literature. Contribution of the Arab Geographers : Al Beruni, Al Idrishi, Ibn Battuta,	III	Contribution of Various Schools Thoughts in Modern Geography: i German School : Humboldt, Ritter and Ratzel ii French School: Blache, Demangeon iii Anglo-American : J. F. Mackinder, W M Davis, Miss Ellen Churchil Semple.	IV	Determinism, Possibilism and Neo-Determinism. Regional Concept. Dualism in Geography: Physical vs. Human, Systematic vs. Regional. Quantitative Revolution. Future of Geography.		
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October													
November													
November													
<p>Head Of Geography Dept Govt. Digvijay College Rajnandgaon (C.G.)</p>		<p>Principal Govt. Digvijay College RAJNANDGAON, C.G.</p>											

Govt. Digvijay Autonomous P.G. College, Rajnandgaon (C.G.)

Teaching-Plan

Class - M.A. 1st Semester

Paper - Geomorphology - I

Credits - 04

Month	Unit & Topic	Credit allotted	Period/ Hours Required
September 2023	Unit - I Nature, Scope and Fundamental Concepts of Geomorphology, Interior of the Earth Theory of Mountain Building : Kober, Holmes, Daly	04	
October 2023	Unit - II - Isostasy, Pratt and Airy, Continental Drift, Plate Tectonics, Earthquakes, Volcanoes		
October to Nov. 2023	Unit - III Concept of Gradation, Weathering, Mass Wasting and Erosion. Cycle of Erosion. W.M. Davis and Walter Penck. Erosional Landforms Fluvial, Aeolian, Marine (Costal), Glacial And Carst.		
November 2023	Unit - IV Soil Formation, Climate. Geomorphology, Slope Evolution, Evolution of Drainage, Applied Geomorphology Hydro and Urban Geomorphology		

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Teaching-Plan

Class - ...M.A.-IIrd Semester.

Paper - ...Settlement Geography

Credits -04.....

Month	Unit & Topic	Credit allotted	Period/ Hours Required
September 2023	<u>Unit-I</u> Nature and Scope of Settlement Geography Concepts of Settlement-Rural Settlement, Urban Settlement, Hierarchy of Settlement, Primate City and Morphology of Settlement Origin and Types of Settlement.	04	
Sep to October 2023	<u>Unit-II</u> Rural Settlement: Types and Patterns, Rural House Types. Size and Spacing of Rural Settlements, Rural Problems and Planning.		
October to Nov.	<u>Unit-III</u> Urban Settlement Evolution and Growth, Urban centres - Site and Situation, Rank- Size - Rule of Urban Settlements.		
November to Dec. 2023	<u>Unit-IV</u> Cities as Central Place: Central Place Theory Christaller and Losch. City - Country Relationship: Umland and Urban Fringe		

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Teaching-Plan


Class - ...B.A. Ist Semester...

Paper - ...D.Sc. - I. Geomorphology

Credits -04.....

Month	Unit & Topic	Credit allotted	Period/ Hours Required
September 2023	<u>Unit - I</u> Definition Nature and Scope of Geomorphology; Interior of the Earth, Geological time Table.	04	
October 2023	<u>Unit - II</u> Continental Drift Plate Tectonics, Earthquakes, Volcanoes.		
November 2023	<u>Unit - III</u> Weathering, Mass Wasting, Cycle of Erosion of W.M. Davis and Walter Penck, Comparison - Weathering & Erosion and Davis & Penck.		
December 2023	<u>Unit - IV</u> Erosional Landforms Fluvial, Aeolian, Coastal, Glacial, Karst.		

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