

RANCHI WOMEN'S COLLEGE, RANCHI

(AN AUTONOMOUS UNIT OF RANCHI UNIVERSITY, FROM 2012)

DEPARTMENT OF GEOGRPHY

M. Shalini P. Kerketta
Assistant Professor
Dept. of Geography
R.W.C., Ranchi



COURSES OF STUDY
FOR
GEOGRAPHY HONOURS/SUBSIDIARY
2015

NEW SYLLABUS

ELIGIBLE FROM SESSION 2015 - 2018

Number of Papers: 20
(Theory: 14, Practical: 6)

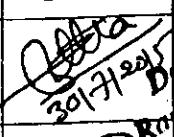
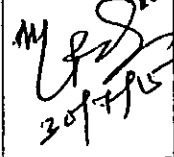
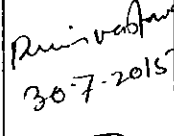
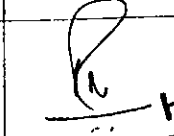

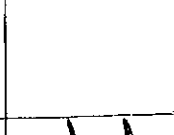
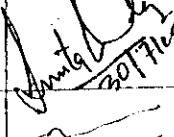
Core Papers: 12, Elective Papers: 2

Full Marks: 1600
(Theory: 1200, Practical: 400)

Number of Semesters: 6

Meeting of Board of Studies

A meeting of Board of studies of Geography was held in the P. G department of Geography, Ranchi University, Ranchi, on 30th July 2015 at 1:00pm. The following members of Board were present;

Members	Name	Designation	Signature
Chairperson	Miss Mary Shalini Pushpa Kerketta	(H.O.D Deptt of Geography, R. W.C)	 30/7/2015
University Nominee	Prof. M Prajapati	(Retd. Professor, Deptt of Geography, Ranchi University.	 30/7/15
Expert	Dr. (Mrs.) Bimla Srivastava	(Professor, Deptt of Geography, Ranchi University.	 30-7-2015
Expert	Dr. Rakesh Narayan	(H.O.D Department of Geography, Ranchi University)	 30/7/15
Aluminee	Miss Tuhina Bhowmik	Faculty Deptt of Geography, RWC(intermediate Section)	 30/7/15
Faculty Member	Mrs. Smita Linda	Assistant Professor, Deptt of Geography, R.W.C	 30/7/15
Faculty Member	Dr. (Mrs) Shashi Kanta Toppo	Assistant Professor, Deptt of Geography, R.W.C	 30.7.15

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Tuhina Bhowmik,
30/7/15

*Guested with
5/8/2015*

*30/7/15
4.8.15*

Agenda of Meeting: To finalise and approve the revised syllabus for undergraduate course in Geography, for session 2015-2018 onwards, under the autonomous system to be followed in Ranchi Women's College

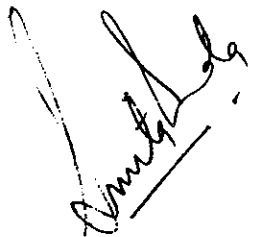
Resolutions: The following resolutions were taken unanimously in the meeting of Board of Studies of Geography, by the members present.

1. Undergraduate syllabus was revised keeping in view the guidelines of University Grant Commission and Autonomous System, for Bachelor of Arts, Geography, Honours, General and Subsidiary

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9.6.2015

Outline of Three Year B.A. Degree Course (Six Semesters)

The B.A. (hons.) Examinations in Geography as per the U.G.C. Model Curriculum are to be conducted in six semesters (one academic year of two semesters), spreading over three years and six academic sessions of 1600 marks.

Each individual semester comprises 200 marks from the first to the fourth semester. The fifth and sixth semesters shall be of 400 marks each. From the first to the fourth semester there shall be two theory papers of 75 marks each and one practical paper of 50 marks each. Out of 75 marks earmarked for theory papers, sixty marks is assigned to end semester, whereas mid semester and internal assessment are allocated 10 marks and 5 marks respectively for each theory paper.


Both fifth and the sixth semesters will have three theory papers of 80 marks each and one practical paper of 100 marks each. The mid semester and internal assessment for theory papers of these two last semesters are of 15 and 05 marks, respectively.

The final result shall be declared on the basis of marks obtained by the students in the end semester, mid semester as well as internal assessment of all the six semesters taken together.

The duration of exam shall be of three hours for both theory as well as practical papers up to the fourth semester. However in the fifth and the sixth semesters the duration for practical papers shall be of four hours, whereas theory papers shall continue to have three hours duration.

The examinees are required to answer four questions out of eight question sets of each theory papers of all the six semesters.

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Distribution of Marks for B.A Geography Honours

Academic Session	Semester	Paper	Mid Sem	Pass Marks	End Sem	Pass Marks	Duration
First	I	I	15	7	60	27	3 hours
		II	15	7	60	27	3 hours
		Practical	-	-	50	23	3 hours
	II	III	15	7	60	27	3 hours
		IV	15	7	60	27	3 hours
		Practical	-	-	50	23	3 hours
Second	III	V	15	7	60	27	3 hours
		VI	15	7	60	27	3 hours
		Practical	-	-	50	23	3 hours
	IV	VII	15	7	60	27	3 hours
		VIII	15	7	60	27	3 hours
		Practical	-	-	50	23	3 hours
Third	V	IX	20	9	80	36	3 hours
		X	20	9	80	36	3 hours
		XI	20	9	80	36	3 hours
		XII	-	-	100	45	3 hours
	VI	XIII	20	9	80	36	3 hours
		XIV	20	9	80	36	3 hours
		XV	20	9	80	36	3 hours
		XVI	-	-	100	45	3 hours

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B.A. PART I (GEOGRAPHY-HONS.)

Semester I

End Sem: 60 Marks

Mid Sem: 10 Marks

Internal Assessment: 05 Marks


The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: I


Geomorphology

- 1. Interior Structure of the Earth.
- 2. Crustal Movements of Earth: Continental Drift and Plate Tectonics; Endogenetic forces: Types of Folds and Faults; Earthquakes and Volcanoes
- 3. Isostasy: Airy's and Pratt's Views on Isostasy
- 4. Cycle of Erosion
 - Davision Cycle of Erosion
 - Penk's Cycle of Erosion
 - Landforms of Multiple Cycle of Erosion
- 5. Major Landforms: Aeolian ;Glacial; Karst, Volcanic

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B.A. PART I (GEOGRAPHY-HONS.)

Semester I

End Sem: 60 Marks

Mid Sem: 10 Marks

Internal Assessment: 05 Marks

The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: II

Geography of India

Section A: Physical

1. Physiography
2. Climate
3. Drainage
4. Natural Vegetation
5. Soils

Section B: Economic

1. Mineral and Power Resources of India: distribution and utilisation of iron ore, coal, petroleum, gas
2. Agricultural production and distribution of rice and wheat,
3. Agricultural Regions; Green Revolution and its consequences
4. Location and Distribution of Iron and Steel and cotton Textile Industries

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B.A. PART I (GEOGRAPHY-HONS.)

Semester I

Practical

Students are required to attempt questions from all the units


Full Marks: 50

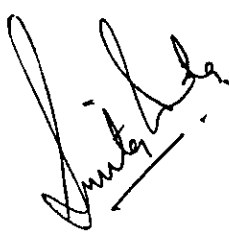
- 1. Scales: Simple, Diagonal and Comparative (10)
- 2. Enlargement and Reduction of Maps: Graphical Method (15)
- 3. Measures of Central Tendency: Arithmetic Mean, Median and Mode (15)

Practical Record Book and Viva (10)

Figures in parentheses indicate the respective marks of respective units

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B.A. PART I (GEOGRAPHY-HONS.)

Semester II

End Sem: 60 Marks

Mid Sem: 10 Marks

Internal Assessment: 05 Marks

The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: III

Climatology and Oceanography

Section A: Climatology

1. Composition and Structure of Atmosphere
2. Insolation: Heat Budget, Distribution of Temperature
3. Atmospheric Pressure and Pressure Belts
4. Rainfall: Types and distribution
5. Monsoon - Origin and Mechanism
6. Cyclones – Tropical Cyclones, Extra Tropical Cyclones

Section B: Oceanography

1. Ocean Floor Topography
2. Salinity and Temperature – Distribution and Determinants.
3. Oceanic Movements – Waves, Currents and Tides.
4. Coral Reefs – Types and Theories of Origin.
5. Marine Deposits

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B.A. PART I (GEOGRAPHY-HONS.)**Semester II****End Sem: 60 Marks****Mid Sem: 10 Marks****Internal Assesment: 05 Marks**

The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: IV**Regional Study of Jharkhand**

1. Physiography
2. Climate
3. Drainage
4. Soils
5. Vegetation
6. Minerals: Coal, Iron Ore, Bauxite, Atomic minerals
7. Major Industries: Iron and Steel, Cement
8. Agriculture: Major crops and Agricultural Regions
9. Population: Density, Distribution and Growth

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B.A. PART I (GEOGRAPHY-HONS.)

Semester II

Students are required to attempt questions from all the units

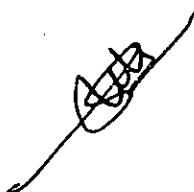
Full Marks: 50

Practical

1. Graphical Representation: Histogram, Frequency Polygon, Age-Sex Pyramid (10)
 2. Representation of Climatic Data: Climograph, Hythergraph, Ergograph (10)
 3. Cartographic Representation: Dot, Isopleth, Choropleth, (10)
 4. Measurement of Dispersion: Mean Deviation, Standard Deviation, Co-efficient of Variation (10)
- Practical Record Book and Viva (10)

Figures in parentheses indicate the respective marks of respective units

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B.A. PART II (GEOGRAPHY-HONS.)

Semester III

End Sem: 60 Marks

Mid Sem: 10 Marks

Internal Assessment: 05 Marks

The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: V

Evolution of Geographical Thought and Applied Geography

1. Meaning, Nature and Scope of Geography; Geography as an Interdisciplinary Science
2. Classical contributions to geographical thought: Greek, Roman Arab
3. Foundations of geography: major contributions of Alexander von Humboldt, Carl Ritter, and Frederick Ratzel;
4. Dualism in geography: Systematic Vs Regional; Physical Vs Human
5. Evolution of geography in India: formative periods and establishments; Modern Geography in India
6. Career opportunities for Geographers
7. Application of Geography in Regional Planning and Development

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B.A. PART II (GEOGRAPHY-HONS.)

Semester III

End Sem: 60 Marks

Mid Sem: 10 Marks

Internal Assessment: 05 Marks


The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: VI

Regional Study of Selected Countries: USA and China

1. **Physical resource base:** Physiography, Climate, Soil, Vegetation, Power and Mineral Resources
2. **Cultural resource base:** Population Characteristics
3. **Economy:** Agriculture and Industries; Agricultural and Industrial regions

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Semester III


Students are required to attempt questions from all the units

Full Marks: 50

Practical

1. Conical Projection : Simple Conical with one and two standard parallels (10)
 2. Representation of Relief by Contours (10)
 3. Use of Computers in Geography: Representation of Geographic Data: Histogram, Bar Graphs, Line Graph, Multiple Line Graph, Scatter Diagram and Pie Diagram. (10)
 4. Computation of Central Tendency Value; Quartile; Standard Deviation; Correlation and Trend Line, with the help of Computers. (10)
- Practical Record Book and Viva (10)

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B.A. PART II (GEOGRAPHY-HONS.)

Semester IV

End Sem: 60 Marks Mid Sem: 10 Marks Internal Assessment: 05 Marks


The Students are required to attempt four questions out of the given eight questions in the End Semester Exam


Paper: VII

Three Southern Continents

1. Physical Resource Base: Physiography, Climate, Soil, Vegetation, Power and Mineral Resources
2. Agricultural Characteristics
3. Industries
4. Population Distribution and Density

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Semester IV

End Sem: 60 Marks

Mid Sem: 10 Marks

Internal Assessment: 05 Marks

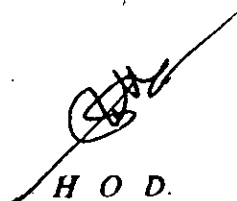
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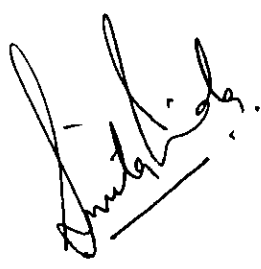
Paper: VIII

Resource Geography

1. Concept of Resources: Meaning and Classification, Dynamic Concept of Resources
2. Forest Resources
3. Soil Resources
4. Major fishing grounds of the World
5. Mineral Resources: Iron Ore, Coal, Petroleum

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B.A. PART II (GEOGRAPHY-HONS.)

Semester IV

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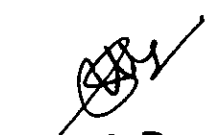
Full Marks: 50

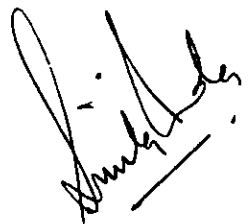
Practical

1. Field Survey:
Plane Table Survey: Radiation, Intersection, Resection: Trial and Error Method
Prismatic Compass Survey: Open and Closed Traverse (10)
2. Projection: Cylindrical: Equal Area and Equi-Distant (10)
3. Field Study in Local Environment: Preparation of field report through fieldwork on an Environmental Issue, on any one of the following areas: A locality of Ranchi city, a village near Ranchi City, a river course near Ranchi City. (20)

Practical Record Book and Viva

Figures in parentheses indicate the respective marks of respective units

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B.A. PART III (GEOGRAPHY-HONS.)

SEMESTER V

End Sem: 80 Marks

Mid Sem: 15 Marks

Internal Assessment: 05 Marks

The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: IX

Human Geography

1. Definition, Scope and Branches of Human Geography
2. Concept of Man Environment Relationship: Determinism, Possibilism and Neo- Determinism;
3. Population: Distribution, Density and Growth of Population of the World; International Migration
4. Major Tribes of the world: Eskimos and Bushman
5. Major Tribes of India: Gujjars and Gonds
6. Major Tribes of Jharkhand: Santhals, Mundas and Oraons
7. Cultural Regions of the World

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B.A. PART III (GEOGRAPHY-HONS.)**Semester V****End Sem: 80 Marks****Mid Sem: 15 Marks****Internal Assessment 05 Marks**

The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: X**Elective Paper: Population geography or Biogeography****Population Geography**

1. Nature and Scope of Population Geography;
2. Sources and Types of Population Data: Census, Sample Survey and Vital Registration System;
3. Malthus' Theory of Population Growth
4. Population: Distribution, Density and Growth(World and India)
5. Migration
6. Structure of Population

Biogeography

1. Defining the Field – Concept, And Relevance
2. Evolution of Plants and Animals – Adaptation, Dispersal, Colonization and Extinction.
3. Factors Affecting the Community – Plant Succession, Arresting Factors. Vegetation Climax
4. Biomes – Forest, Grassland, Desert and Mountain.
5. Biodiversity – Preservation and Conservation.

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Semester V

End Sem: 80 Marks

Mid Sem: 15 Marks

Internal Assessment: 05 Marks

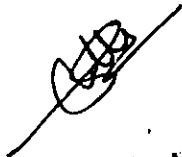
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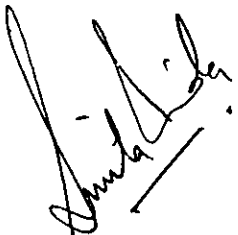
Paper: XI


Environmental Geography and Disaster Management

1. Introduction to Environmental Geography: Meaning Definition, Nature and Scope;
2. Ecology and Ecosystem;
3. Environmental Hazards; Environmental Disaster and Stress; Classification of Environmental Hazards;
4. Green House effect and Global Warming;
5. Man- Induced Hazards: Causes, Effects and Management; Desertification, Forest Fire, Soil degradation and Population Explosion.
6. Concept of Sustainable Development.
7. Environmental Movements: Chipko, Silent Valley and Narmada Bachao Andolan.

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B.A. PART III (GEOGRAPHY-HONS.)

Semester V

Students are required to attempt questions from all the units

Full Marks: 100

Paper: XII

Practical

1. **Fluvial Morphology:** Watershed Demarcation, Stream Ordering, Bifurcation Ratio, Drainage Frequency, Drainage Density (20)
 2. **Projection:** Bonne's and Polyconic (20)
 3. **Relief Profiles:** Serial, Superimposed, Composite and Projected (20)
 4. **Field Trip:** Visit to any part of India and preparation of field report on Physical and Socio-economic Environment (30)
- Practical Record Book and Viva (10)

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Semester VI

End Sem: 80 Marks Mid Sem: 15 Marks Internal Assessment: 05 Marks


The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

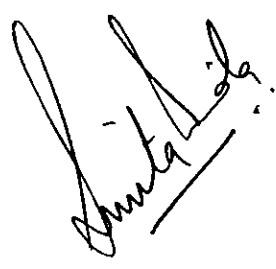
Paper: XIII

Regional Planning and Development

1. Meaning and Types of Regions; Concept and Types of Regional Planning
2. Planning Regions and basis for their delineation; Regionalisation of India: Physiographic (Spate and R. L. Singh), Socio - cultural (Sopher and A. Ahmed), Economic (Sengupta)
3. Concept of Multi-level Planning and Levels of Multi-level Planning In India
4. Introduction to Panchayati Raj institutions
5. Models of Economic Development: Rostow and Myrdal

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Semester VI

End Sem: 80 Marks

Mid Sem: 15 Marks

Internal Assessment: 05 Marks

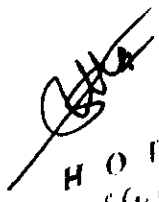
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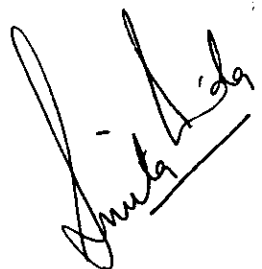
Paper: XIV


Settlement Geography

1. Meaning and Scope of Settlement Geography
2. Rural Settlement: Types and Pattern
3. Urban Settlement: Types and Pattern
4. Christaller's System of Urban Hierarchy and Spacing of Cities
5. Concept and Factors of Urbanization
6. Functional Classification of Towns and Cities
7. Concept of Rural-Urban Fringe;
8. Urban Problems and Urban Planning: Emergence of Slums

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B.A. PART III (GEOGRAPHY-HONS.)

Semester VI

End Sem: 80 Marks Mid Sem: 15 Marks Internal Assessment: 05 Marks

The Students are required to attempt four questions out of the given eight questions in the End Semester Exam

Paper: XV

Elective Paper: Economic Geography or Agricultural Geography

Economic Geography

1. Nature and Scope of Economic Geography
2. Introduction: Concept and classification of economic activity
3. Theory of Agricultural Location (Von Thunen); Theory of Industrial Location (Weber)
4. Primary Activities: Subsistence and Commercial agriculture, forestry, fishing and mining.
5. Secondary Activities: Manufacturing (Cotton Textile, Iron and Steel), Concept of Special Economic Zones and Technology Parks.
6. Tertiary Activities: Transport, Trade and Services.

Agricultural Geography

1. Defining the Field: Introduction, nature and scope, Landuse/ landcover classification and definition.
2. Determinants of Agriculture: Physical, Technological and Institutional
3. Agricultural Regions: Agroclimatic, Agroecological & Crop Combination Regions.
4. Agricultural Systems of the World: Whittlesey's classification.
5. Agricultural Land use model of Von Thuenen, modification and relevance.

Principles of Geography

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Semester VI

Students are required to attempt questions from all the units

Full Marks: 100

Paper: XVI

Practical


- 1. Zenithal Projection: Equidistant and Equal area, Gall's and Stereographic (15)
- 1. Correlation (Karl Pearson and Spearman) and regression analysis. (15)
- 2. Construction and Interpretation of Geological maps (15)
- 3. Use of Modern Techniques in Geography: GIS, Remote Sensing and GPS (15)


Project Work: Case Study of any one of the Regions for Planning (identification, characteristics, problems and policies)


- a. River Valley
 - b. Hill Area and Tribal Area
 - c. Drought Prone Area
 - d. Flood Prone Area
 - e. Metropolitan Region
- (30)

Practical Record Book and Viva (10)

Figures in parentheses indicate the respective marks of respective units


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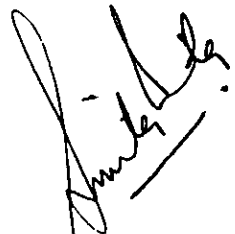




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RANCHI WOMEN'S COLLEGE, RANCHI
(AN AUTONOMOUS UNIT OF RANCHI UNIVERSITY, FROM 2012)

COURSES OF STUDY
GEOGRAPHY-GENERAL AND SUBSIDIARY
DEPARTMENT OF GEOGRPHY

Mirvina Fawa

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Ranchi University, Ranchi
2012

Distribution of Marks for B.A Geography General/Subsidiary

Academic Year	Semester	Theory Paper	Full Marks	Pass Marks	Duration	Practical		Duration
						Full Marks	Pass Marks	
First	I	I	75	34	3 hours	25	9	3 hours
	II	II	75	34	3 hours	25	9	3 hours
Second	III	III	75	34	3 hours	25	9	3 hours
	IV	IV	75	34	3 hours	25	9	3 hours
Third (General)	V	V	75	34	3 hours	25	9	3 hours
	VI	VI	75	34	3 hours	25	9	3 hours

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B.A. PART I (GEOGRAPHY: SUBSIDIARY)

Semester I

The students are required to attempt any five questions from the given questions

Full Marks: 75

Geomorphology

1. Interior Structure of the Earth.
2. Continental Drift and Plate Tectonics,
3. Types of Folds and Faults,
4. Earthquakes and Volcanoes,
5. Isostasy
5. Fluvial Landforms,
6. Aeolian Landforms,
7. Glacial Landforms
8. Karst Landforms

minerals.

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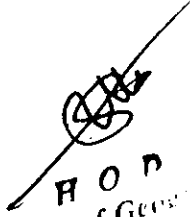
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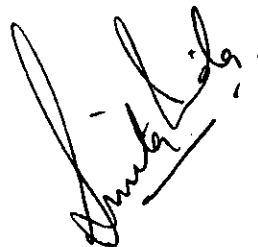
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B.A. PART I (GEOGRAPHY-GENERAL & SUBSIDIARY)**Semester I****Practical****Full Marks: 25**

1. Scales: Simple, Diagonal and Comparative	10
2. Conventional Signs	5
3. Mean and Median	5
Practical Record Book and Viva	5

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B.A. PART I (GEOGRAPHY-GENERAL & SUBSIDIARY)**Semester II**

The students are required to attempt any five questions from the given questions

Full Marks: 75**Geography of India**

1. Physiography
2. Climate
3. Drainage
4. Natural Vegetation
5. Soil
6. Mineral and Power Resources of India
7. Industries: Iron and Steel and cotton Textile Industries

M. S. Jaiswal

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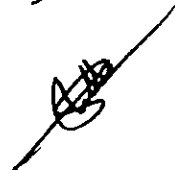
B.A. PART I (GEOGRAPHY-GENERAL & SUBSIDIARY)

Semester II


Practical

Full Marks: 25

- | | |
|---|----|
| 1. Representation of data by: Bar graph, Line Graph and Pie Chart | 5 |
| 2. Elementary Statistics: Quartile and Standard Deviation | 10 |
| 3. Hythergraph and Climograph | 5 |
| Practical Record Book and Viva | 5 |

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B.A. PART II (GEOGRAPHY- SUBSIDIARY)

Semester III

The students are required to attempt any five questions from the given questions

Climatology and Oceanography

Section A: Climatology

Full Marks: 75

- 1. Atmospheric Composition and Structure
- 2. Insolation: Distribution of Temperature
- 3. Atmospheric Pressure and Pressure Belts
- 4. Types of Rainfall
- 5. Cyclones – Tropical Cyclones, Extra Tropical Cyclones

Section B: Oceanography

- 1. Ocean Floor Topography
- 2. Salinity
- 3. Waves, Currents and Tides.
- 4. Marine Deposits

Principles of Geography

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B.A. PART II (GEOGRAPHY-GENERAL & SUBSIDIARY)

Semester III

Practical

Full Marks: 25

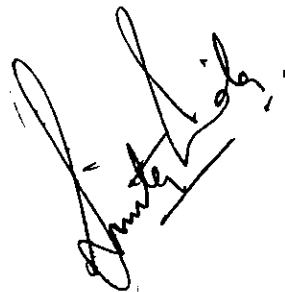
- | | |
|---|----|
| 1. Cartographic Techniques: Dots, and Choropleth | 10 |
| 2. Relief Profiles: Serial, Superimposed, Composite and Projected | 10 |

Practical Record Book and Viva	5
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B.A. PART II (GEOGRAPHY-GENERAL & SUBSIDIARY)**Semester IV**

The students are required to attempt any five questions from the given questions

Full Marks: 75**Regional Study of Jharkhand**

1. Physiography
2. Climatic
3. Drainage
4. Soils
5. Natural Vegetation
6. Minerals: Coal, Iron Ore, Bauxite
7. Major Industries: Iron and Steel and Cement
8. Agriculture: Major crops
9. Population: Density, Distribution and Growth
10. Tourism in Jharkhand

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B.A. PART I (GEOGRAPHY-GENERAL & SUBSIDIARY)
Semester IV
Practical

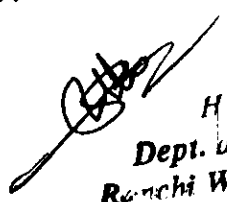
Full Marks: 25

- 1. Map Projection:
 - Conical: Simple Conical with One and Two Standard Parallels
 - Cylindrical: Equidistant and Equal area 10


- 2. Correlation and Regression Analysis 10

- Practical Record Book and Viva 5

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B.A. PART III (GEOGRAPHY-GENERAL)

Semester V

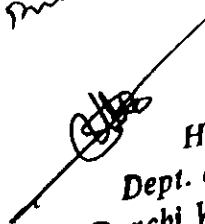
The students are required to attempt any five questions from the given questions

Environmental Geography and Disaster management

Full Marks: 75

1. Introduction to Environmental Geography: Definition and Scope of Environmental Geography
2. Ecology & Ecosystem;
3. Environmental Hazards; Environmental Disaster & Stress; Classification of Environmental Hazards;
4. Green House effect & Global Warming;
5. Man- Induced Hazards: Causes, Effects & Management; Desertification, Forest Fire, Soil degradation & Population Explosion.

Pravin Kumar


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B.A. PART III (GEOGRAPHY-GENERAL)

Semester V

Practical

Full Marks: 25

- | | |
|---|----|
| 1. Interpretation of Topographical Sheets | 10 |
| 2. Prismatic Compass Survey | 10 |
| Practical Record Book and Viva | 5 |

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B.A. PART I (GEOGRAPHY-GENERAL)

Semester VI

The students are required to attempt any five questions from the given questions

Resource Geography

Full Marks: 75

1. Meaning and Classification of Resource Geography , Concept of Resources
2. Forest Resources
3. Soil Resources
4. Major fishing grounds of the World
5. Mineral Resources: Iron Ore, Coal, Petroleum

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