

**UNIVERSITY DEPARTMENT GEOGRAPHY**  
**L. N. MITHILA UNIVERSITY, DARBHANGA**

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**SYLLABUS**  
**OF**  
**THREE YEARS DEGREE COURSE**  
**OF**  
**B. A. HONOURS (GEOGRAPHY)**  
**&**  
**SUBSIDIARY / GENERAL PASS COURSE**  
**(W.e.f. Session 2014-15 onward)**

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**Geography  
General Paper  
For 1<sup>st</sup> Year Course  
(W.e.f. 2014-15 onward)**

Students who have not offered Honours in any subject, shall have to appear in Three papers of 100 marks each, with examination in one paper every year. The distribution of marks shall be as follows:

|                      |   |                                      |
|----------------------|---|--------------------------------------|
| 1 <sup>st</sup> Year | — | 75 marks Theory, 25 marks Practical  |
| 2 <sup>nd</sup> Year | — | 75 marks Theory, 25 marks Practical. |
| 3 <sup>rd</sup> Year | — | 75 marks Theory, 25 marks Practical. |

**PAPER I (A) (First Year)  
PHYSICAL AND ECONOMIC GEOGRAPHY : 75 Marks**

The course has been divided into five units. There shall be ten questions of which **two** questions shall be set from each unit. The examinees shall be required to answer **five** questions, selecting three from Section A and two from Section B. The examination shall be of three hours' duration and shall carry 75 marks..

**SECTION – A**

- Unit-1** Isostasy, Plate Tectonics, Kober and Holme's Theories on Mountain Building, Wegener's Continental Drift Theory
- Unit-2** Arid Topography, Glacial Topography, Coastal Topography, Karst Topography, Normal Cycle of Erosion
- Unit-3** Temperature and Salinity of Ocean Water, Ocean Deposits, Evidences of Climatic Change, Global Warming, Cyclone and Anti – cyclone, Ocean Currents and Tsunami

**SECTION B**

- Unit-4** Agriculture - Intensive Subsistence, Commercial Grain and Dairy Farming, Minerals Coal, Petroleum Iron ore and atomic minerals, their distribution and production
- Unit-5** Industry- iron and Steel, Cotton Textile and Sugar Industry, World Industrial Regions, World Trade Routes

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**Books Recommended :**

1. Wooldridge and Mogran
2. Steers
3. Thornbury
4. Holmes
5. Sharma, R.C.
6. Miller, A.
7. Critchfield
8. DayaL, P.
9. Sabindra Singh
10. Balbir Singh Negi
11. Jones & DarkenWald
12. Alexander
13. Kashi Nath Singh
14. E.Ahmad
15. D.S.Lal
16. D.S.Lal
17. C.B.Mamoria

Physical Basis of Geography  
The Unstable Earth  
Principles of Geomorphology  
Principles of Physical Geology  
Oceanography for Geographers.  
Climatology  
General Climatology  
Geomorphology (Hindi)  
Bhoo Akriti Vigyan (Hindi)  
Climatology, and Oceanography (Hindi)  
Economic Geography  
Economic Geography  
Arthik Bhugol (Hindi)  
Physical Geography  
Climatology  
Jalvayu Vigyn  
Bhoo-Vigyan

**PAPER I (B)**  
**PRACTICAL : 25 Marks**

The Course has been divided into three Units. There shall be three questions, one from each unit, and the examinee shall be required to answer all questions. The examination shall be of two hours' duration and shall carry 25 marks.

|          |   |          |
|----------|---|----------|
| Unit – 1 | Enlargement and Reduction of Maps, Cartograms: Bar Diagram, Proportionate Pie and Dot, Line Graph, Band-Graph | 10 marks |
| Unit – 2 | Interpretation of Topographical Maps and Weather Maps   | 08 marks |
| Unit – 3 | Record of Practical Work and Viva-voce  | 07 marks |

**Books Recommended :**

1. Singh and Dutta Elements of Practical Geography
2. Singh and Kanaujia Practical Geography
3. Jagdish Singh and Others Prayogic Bhugol (Hindi)

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**SUBSIDIARY PASS**  
**For 1st Year Course**  
**GEOGRAPHY**

Students, who have offered Honours in any subject other than Geography, shall have to appear in two papers of 100 marks each, with examination in one paper each in the first two years of the plus three course. The distribution of marks shall be as follows:

|                      |   |  |
|----------------------|---|--|
| 1 <sup>st</sup> Year | — | 75 marks Theory, 25 marks Practical    |
| 2 <sup>nd</sup> Year | — | 75 marks Theory, 25 marks Practical.   |
| 3 <sup>rd</sup> Year | — | will be devoted to Honours Papers Only |

**Paper – I (A) (First Year)**  
**Physical And Economic Geography : 75 marks**

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions, selecting three from Section A and two from Section B. The examination shall be of three hours' duration and shall carry 75 marks.

**Section – A**

- |        |  |
|--------|--|
| Unit-1 | Isostasy, Continental Drift, Kober and Holmes's Theories on Mountain Building, Internal Structure of the Earth.  |
| Unit-2 | Arid topography, Glacial topography, Coastal topography, Karst topography, Normal Cycle of Erosion.  |
| Unit-3 | Salinity of Ocean, Water, Ocean Deposits, Ocean Current, Tsunami, Koppen's Classification of Climate, Evidences of Climatic Change, Cyclone and Anti-Cyclone |

**Section – B**

- |        |  |
|--------|--|
| Unit-4 | Agriculture - Intensive Subsistence, Commercial Grain and Dairy Farming, Minerals: Coal, Petroleum, Iron Ore and atomic minerals, their distribution and production. |
| Unit-5 | Industry - Iron and Steel, Cotton Textile and Sugar Industry; Trade Routes: North Atlantic and Suez Canal.   |

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**Books Recommended :**

1. Wooldridge and Morgan
2. Steers
3. Thornbury
4. Holmes
5. Sharma and Vatal
6. Miller
7. Critchfield
8. Dayal, P.
9. Sabindra Singh
10. C.B. Mamoria
11. Belbir Singh Negi
12. Jones and Darkenwald
13. Meander
14. Kashi Nath Singh

Physical Basis of Geography  
Unstable Earth  
Principles of Geomorphology  
Principles of Physical Geology  
Oceanography for Geographers  
Climatology  
General Climatology  
Geomorphology (Hindi)  
Bhoo-Akriiti Vigyan (Hindi)  
Bhoo Vigyan  
Climatology and Oceanography(Hindi)  
Economic Geography  
Economic Geography  
Arthik Bhugol (Hindi)

**Paper-I (B)****Practical : 25 marks**

The course has been divided into three units. There shall be three questions, one from each unit and the examinees shall be required to answer all questions. The examination shall be of two hours duration and shall carry 25 marks.

|               |   |                 |
|---------------|---|-----------------|
| <b>Unit-1</b> | Enlargement and Reduction of Maps, Cartograms - Bar, Proportionate Pies and Dot, Line Graph, Band Graph | <b>10 marks</b> |
| <b>Unit-2</b> | Interpretation of Topographical Maps and Weather Maps   | <b>08 marks</b> |
| <b>Unit-3</b> | Record of Practical Work and viva-voce  | <b>07 marks</b> |

**Books Recommended:**

1. Singh and Dutta Elements of Practical Geography
2. Singh and Kanaujia Practical Geography
3. Jagdis Singh and others Pravogik Bhugol (Hindi)

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### Books Recommended:

1. Wooldridge & Morgan
2. Steers
- 3 Thornbury
- 4 Holmes
5. Sparks
6. Worcester
- 7 Miller
8. Blair
9. Critchfield
- 10 Shepard
11. Kunen
12. Sharma and Vatal
13. Dayal P.
14. Savindra Singh
15. C.I.N'I'moria
16. Balhi Singb Negi
17. Dayal, P.

Physical Basis of Geography  
Unstable Earth  
Principles of Geomorphology.  
Principles of Physical Geology  
Geomorphology  
Geomorphology  
Climatology  
Climatology  
General Climatology  
Submarine Geology  
Marine Geology  
Oceanography for Geographers  
Bhautik Bhugol (Hindi)  
Bhu Akritc Viyan (Hindi)  
Bhoo-Vigyan (Hindi)  
Climatology and Oceanography (Hindi)  
Bhu Akritik Vigyan (Hindi)

### PAPER-II A Geography of ASIA (75 Marks)

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions selecting two from Section A and three from Section B. The examination shall be of three hours' duration and shall carry 75 marks.

#### SECTION A

- Unit-1 Asia: Structure, Physiography, Drainage Climate and Climatic Region and Natural Vegetation.
- Unit-2 Asia: Mineral and Power Resources: Coal, Petroleum, Iron-ore; Population Growth and Distribution, Agricultural Regions.

#### SECTION B

Physiography, Agriculture, Industrial Development,  
and Industrial



### Books Recommended:

- |                                |  |
|--------------------------------|--|
| 1. L.D.Stemp                   | Asia (Hindi and English)                   |
| 2. Cressey                     | Asia's Land and People (Hindi and English) |
| 3. Gibbsberg                   | Pattern of Asia                            |
| 4. Robinson                    | Monsoon Asia                               |
| 5. Dobby                       | Monsoon Asia                               |
| 6. Kashi Nath Singh and others | Monsoon Asia (Hindi)                       |
| 7. Mamoria and Agrawal         | Asia Ka Pradeshik Bhugol (Hindi)           |

### PAPER-I (B) & II (B)

Practical- 50 marks

The course has been divided into four units. There shall be four questions, one from each unit and the examinees shall be required to answer all questions. The examination shall be of three hours' duration and shall carry 50 marks

|        |   |          |
|--------|---|----------|
| Unit-1 | Enlargement and Reduction of Maps, Cartograms: Proportionate Pie, Compound Bar, Dot, Line graph and Band graph                              | 15 marks |
| Unit-2 | Interpretation of Topographical Maps and Weather Maps   | 10 marks |
| Unit-3 | Projections-Cylindrical Equidistant and Equal Area, Zenithal Equidistant and Equal Area, Simple Conical with One and Two Standard Parallels | 15 marks |
| Unit-4 | Record of Practical Work and Viva-voce  | 10 marks |

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**Geography (General Course)**  
**For II Year Course**  
(W.e.f. Session 2014-15 onward)

Students who have not offered Honours in any subject shall have to appear in three papers of 100 marks each, with examination in one paper every year. The distribution of marks shall be as follows-

1<sup>st</sup> Year- 75 marks Theory, 25 marks Practical  
2<sup>nd</sup> Year- 75 marks Theory, 25 marks Practical  
3<sup>rd</sup> Year- 75 marks Theory, 25 marks Practical

**PAPER- II (A)**  
**GEOGRAPHY OF INDIA AND BIHAR**  
Time: 3 hours Full marks-75

The course has been divided into five units. There shall be ten questions of which two will be set from each unit. The examinees shall be required to answer five questions in all. The examination shall be of three hours' duration and shall carry 75 marks.

- |               |   |
|---------------|---|
| <b>Unit-1</b> | Physiography, Structure, Climate, Soil and Natural Vegetation, Drainage,  |
| <b>Unit-2</b> | Major Crops-Rice, wheat, tea and sugar-cane, Major Industries-Iron and Steel, Cotton Textiles and Sugar.  |
| <b>Unit-3</b> | Major Minerals: Coal, Petroleum) Iron Ore, Atomic Minerals, their production and distribution Population: Growth and Distribution, Population Problems and Policies, Urbanization in India. |
| <b>Unit-4</b> | Bihar : Structure & Physiography, Climate,, Drainage Pattern Natural Vegetation, Soil types   |
| <b>Unit-5</b> | Bihar : Drought & Floods, Agriculture, Population Growth and distribution, Industrial Regions   |

**Books Recommended :**

- |                            |  |
|----------------------------|--|
| 1. Spate and Learmonth     | India and Pakistan                                 |
| 2. B.N.Sinha               | Industrial Geography of India                      |
| 3. Sharma and Coutinho     | Economic and Commercial Geography of India         |
| 4. Gopal Singh             | Geography of India                                 |
| 5. M.R.Choudhari           | Indian Industries                                  |
| 6. P.Dayal                 | Bharat Ka Arthik Avam Pradeshik Bhugol (Hindi)     |
| 7. U. Singh                | Bharat Ka Navin Arthik Bhugoi (Hindi)              |
| 8. E. Ahmad                | Bihar : A Physical, Regional & Economic Geography. |
| 9. Singh and Kumar         | A Monograph of Bihar                               |
| 10. C.B.Mamoria            | Bharat Ka Bhugol (Hindi)                           |
| 11. Sinha, V.N.P. & et.al. | Bihar Ka Bhugol                                    |

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**PAPER-II (B)****Time : 3 Hours****PRACTICAL - 25 Marks**

The course has been divided into three units. There shall be three questions, one from each unit and the examinees shall be required to answer all questions. The examination shall be of three hours duration and shall carry 25 marks.

|        |  |          |
|--------|--|----------|
| Unit-1 | Map Projections-Cylindrical equal area and Equidistant, Zenithal equal area and Equidistant, Conical Projection with one and two standard parallels. | 10 marks |
| Unit-2 | Simple Statistics-Mean, Median and Mode, Quartiles and Standard Deviation  | 10 marks |
| Unit-3 | Record of Practical Work and Tour Report and Viva-voce   | 05 marks |

**Books Recommended:**

1. Singh and Datta -Elements of Practical Geography
2. Singh and Kanaujia -Practical Geography
3. Jagdish Singh & others -Prayogik Bhugol (Hindi)
4. D.D.P.P.Satpathi -Ganitik Bhugol Pt. I & II (Hindi)

**Geography (Subsidiary Course)**

Students who have offered Honours in any subject other than Geography, shall have to appear in two papers of 100 marks each, with examination in one paper each in the first two years of the plus three course. The distribution of marks shall be as follows:

- 1<sup>st</sup> Year- 75 marks Theory, 25 marks Practical  
2<sup>nd</sup> Year- 75 marks Theory, 25 marks Practical

**PAPER II (A)****Geography of India -75 marks**

The course has been divided into five units. There shall be ten questions of which two will be set from each unit. The examinees shall be required to answer five questions in all. The examination shall be of three hours duration and shall carry 75 marks.

|        |  |
|--------|--|
| Unit-1 | Physiography, Structure, Climate, Soil and Natural Vegetation, Drainage  |
| Unit-2 | Major Crops-Rice, wheat, tea and sugar-cane Major Industries-Iron and Steel, Cotton Textiles and Sugar               |
| Unit-3 | Major Minerals-Coal, Petroleum, Iron Ore, Manganese, Atomic Minerals, their production and distribution.             |
| Unit-4 | Population-Growth, distribution, Population problem and Policy, Types and Pattern of Rural Settlements, Urban Growth |
| Unit-5 | Bihar-Physiography and Structure, Climate, Natural Vegetation, Agriculture, Industries.                              |

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**Books Recommended :**

- |                            |  |
|----------------------------|--|
| 1. Spate and Learmonth     | India and Pakistan                                 |
| 2. B.N.Sinha               | Industrial Geography of India                      |
| 3. Sharma and Coutinho     | Economic and Commercial Geography of India         |
| 4. Gopal Singh             | Geography of India                                 |
| 5. M.R.Choudhari           | Indian Industries                                  |
| 6. P.Dayal                 | Bharat Ka Arthik Avam Pradeshik Bhugol (Hindi)     |
| 7. U. Singh                | Bharat Ka Navin Arthik Bhugoi (Hindi)              |
| 8. E.Abmah                 | Bihar : A Physical, Regional & Economic Geography. |
| 9. Singh and Kumar         | A Monograph of Bihar                               |
| 10. C.B.Mamoria            | Bharat Ka Bhugol (Hindi)                           |
| 11. Sinha, V.N.P. & et.al. | Bihar Ka Bhugol                                    |

**PAPER-II (B)**

Time : 3 Hours

**PRACTICAL - 25 Marks**

The course has been divided into three units. There shall be three questions, one from each unit and the examinees shall be required to answer all questions. The examination shall be of three hours duration and shall carry 25 marks.

- |               |  |                 |
|---------------|--|-----------------|
| <b>Unit-I</b> | Map Projections-Cylindrical equal area and Equidistant, Zenithal equal area and Equidistant, Conical Projection with one and two standard parallels. | <b>10 marks</b> |
| <b>Unit-2</b> | Simple Statistics-Mean, Median and Mode, Quartiles and Standard Deviation  | <b>10 marks</b> |
| <b>Unit-3</b> | Record of Practical Work and Tour Report and Viva-voce   | <b>05 marks</b> |

**Books Recommended:**

1. Singh and Datta -Elements of Practical Geography
2. Singh and Kanaujia -Practical Geography
3. Jagdish Singh & others -Prayogik Bhugol (Hindi)
4. D.D.P.P.Satpathi -Ganitik Bhugol Pt. I & II (Hindi)

**Geography (Honours)**

Students who offer Honours in Geography shall have to appear in Seven Theory papers and Three Practical papers carrying a total of 800 marks. The distribution of papers shall be as follows:

- |                   |  |
|-------------------|--|
| <b>1st Year -</b> | Two theory papers carrying 75 marks each. & one practical paper carrying 50 marks.       |
| <b>2nd Year -</b> | Two theory papers carrying 75 marks each & one practical paper carrying 50 marks.        |
| <b>3rd Year -</b> | Three theory papers carrying 100 marks each, and one practical paper carrying 100 marks. |

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## SECOND YEAR COURSE (200 marks)

### PAPER - III (A)

#### Geography of India and Bihar -75 marks

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions. The Examination shall be of three hours' duration and shall carry 75 marks.

- |               |   |
|---------------|---|
| <b>Unit-1</b> | Structure, Physiography, Climate, Origin and Mechanism of Indian Monsoon, Natural Vegetation, Drainage  |
| <b>Unit-2</b> | Agriculture: Problems of Indian Agriculture, Crops: Rice, Wheat, Tea, Sugar-cane  |
| <b>Unit-3</b> | Industrial Development - Power Resources, Study of the following industries- Iron and Steel, Cotton Textile, Sugar, Cement.                                       |
| <b>Unit-4</b> | Population-Growth, Distribution; Population Problems and Policies Types of Rural Settlements & Urban Growth   |
| <b>Unit-5</b> | BIHAR-Physiography, Drought and Flood Problems, Major River Valley Projects, Agricultural Regions, Industrial Regions of Bihar, Population growth & Distribution. |

#### Books Recommended:

- |                            |   |
|----------------------------|---|
| 1. Spate and Learmonth     | India and Pakistan  |
| 2. Wadia                   | Geology of India  |
| 3. Singh, R.L.             | India: A Regional Geography   |
| 4. Dutta, A.               | India   |
| 5. Ahmad, E.               | Bihar A Physical, Regional and Economic Geography.                      |
| 6. Gopal Singh             | Geography of India  |
| 7. Sinha, B.N.             | Industrial Geography of India.  |
| 8. M.R. Chaudhuri          | Indian Industries.  |
| 9. Sharma & Coutinho       | Economic and Commercial Geography of India.                             |
| 10. P. Dayal               | Bharat Ka Arthik evam Pradeshik Bhugol (Hindi)                          |
| 11. U. Singh               | Bharat Ka Navin Arthik Bhugol (Hindi)                                   |
| 12. Singh & Kumar          | A Monograph of Bihar  |
| 13. Mamoria                | Bharat Ka Bhugol (Hindi).   |
| 14. Sinha, V.N.P. & et.al. | Bihar Ka Bhugol   |
| 15. Choudhary, S.N.        | Geography of Floods in North Bihar, L. N. Mithila University, Darbhanga |

### PAPER- IV (A)

#### Economic and Resource Geography -75 marks

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions, selecting three from Section A and two from Section B. The examination shall be of three hour duration and shall carry 75 marks.

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### SECTION - A

- Unit-1** Agriculture-Intensive Subsistence, Commercial Grain, Plantation and Dairy Farming, Major agricultural regions of the world
- Unit-2** Industry-factors of Location of industry Weber and D.M. Smith's Theory of Industrial Location, Industries: Iron and Steel Industries, Cotton, Major Industrial Regions of the World
- Unit-3** Trade routes of North Atlantic, Suez and Panama, World trade Pattern, W.T.O.

### SECTION- B Resource Geography

- Unit-4** Concept of Resource, Soil, water, and forest resources (their distribution, utilization and Conservation, Fisheries of the World
- Unit-5** Mineral and Power Resources-Coal, Petroleum, Hydel Power Atomic Minerals, Iron ore, manganese and copper, their distribution, utilization and Conservation.

#### Books Recommended:

1. Jones and Darlkenwald- Economic Geography
2. Zimmerman -World Resources & Industries.
3. Alexander -Economic Geography
4. Alexander -Geography of Manufacturing
5. Buchanan & Estall -Economic Geography
6. Miller -Geography of Manufacturing
7. Kasbi Nath Singh -Arthik Bhugol (Hindi)
8. Guha & Chattora -Economic Geography
9. Negi -Resource Geography (English and Hindi)
10. Kausik & Sharma -Sansadhan Bhugol (Hindi)
11. Memoria -Arthik Bhugol (Hindi)

### Paper – III (B) & IV (B) PRACTICAL - 50 Marks

The course has been divided into four units. There shall be four questions, one from each unit and the examinees shall be required to answer all questions. The examination shall be of four hours duration and shall carry 50 marks.

- Unit-1** Plane Table Survey, Intersection and Resection 15 marks
- Unit-2** Projections : Bonne's Polyconic, Sinusoidal, Mercators', 15 marks
- Unit-3** Statistical Techniques, Mean, Median, Mode, Quartiles and Standard Deviation 10 marks
- Unit-4** Record of practical Work and Viva-Voce 10 marks

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**Books Recommended :**

1. Singh and Dutta
2. Singh and Kanaujia
3. Jadish Singh and Others
4. DDPP Satpathi
5. Monkhouse and Wilkinson
6. Jameson and Ormsby
7. Raisz

Elements of Practical Geography  
Practical Geography  
Prayogik Bhugol (Hindi)  
Ganitik Bhugol Pt I and II (Hind)  
Maps and Diagram  
Mathematical Geography Vol I and II  
Principles of Cartography

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**GEOGRAPHY**  
**SYLLABUS FOR B.A.: (General) 3 YEAR COURSE**  
**FOR 3<sup>rd</sup> Year**  
**(W.e.f. Session 2014-15 onwards)**  
**Paper III (A)**  
**Geography of Asia – 75 Marks**

The course has been divided into five units. There shall, be ten questions of which two will be set from each unit. The examinees shall be required to answer five questions in all. The examination shall be of three hours' duration and shall carry 75 marks.

|               |   |
|---------------|---|
| <b>Unit-1</b> | Structure, Physiography, Drainage, Climate and natural Vegetation of Asia.                    |
| <b>Unit-2</b> | Minerals: Coal, Petroleum, Iron ore, Population: Growth and distribution, Population Problems |
| <b>Unit-3</b> | Agriculture, Minerals and Industries, Population of China                                     |
| <b>Unit-4</b> | Agriculture, Minerals and Industries, Population of Japan                                     |
| <b>Unit-5</b> | Geographic Account of following countries : Sri Lanka, Pakistan, Nepal & Bangladesh           |

**Books Recommended :**

|                             |  |
|-----------------------------|--|
| 1. L.b.Stamp                | -Asia (Hindi and English)                    |
| 2. Cressey                  | -Asia's Land and People.(Hindi and English). |
| 3. Ginsberg                 | -Pattern of Asia                             |
| 4. Robion                   | -Monsoon Lands                               |
| 5. Dobby                    | -Monsoon Asia                                |
| 6. Kahi Nath Singh & others | -Monsoon Asia (Hindi)                        |
| 7. Mamoria and Agrawal      | -Asia Ka Pradeshik Bhugol (Hindi)            |

**PAPER-III (B)**  
**Practical – 25 Marks**

The course has been divided into three units. There shall be three questions, one from each unit, and the examinees shall be required to answer all questions. The examination shall be of three hours' duration and shall carry 25 marks.

|               |  |           |
|---------------|--|-----------|
| <b>Unit-1</b> | Surveying with the help of Prismatic Compass and Plane Table and Dumpy Level | -10 marks |
| <b>Unit-2</b> | Superimposed, Composite and Projected Profiles                               | -08 marks |
| <b>Unit-3</b> | Record of Practical work, and viva-voce                                      | -07 marks |

**Books recommended:**

1. Singh and Dutta -Elements of Practical Geography
2. Singh and Kanaujia -Practical Geography
3. Jagdish Singh and others -Prayogik Bhugol (Hindi)
4. D. P. Satpathi -Ganitik Bhugol Pt. I and II (Hindi)



**B.A.(Geog. Hons) THIRD YEAR COURSE (400 Marks)**  
**PAPER-V**  
**GEOGRAPHICAL THOUGHT AND THREE SOUTHERN CONTINENTS**  
**(100 Marks)**

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions, selecting two from section A and three from section B. The examination shall be of three hours' duration and shall carry 100 marks.

**Section – A : (Geographical Thought)**

- Unit-1 Definition and Content of Geography and its relation with other sciences, Contributions of Humboldt, Ritter, Ratzel, Vidal de La Blache, Mackinder.
- Unit-2 Determinism Vs. Possibilism, Neo-determinism, Physical Vs. Human, Regional Vs. Systematic, Quantitative Revolution in Geography

**Section – B : (Three Southern Continents)**

- Unit-3 Comparative study of TSC under the following heads: Structure, Relief, Drainage, Climate Pastoral & Population.
- Unit-4 Structure, Physiography, Climate and Vegetation of Africa, Australia and S. America
- Unit-5 Geographical Account of Selected regions. Viz. Nile Basin, S. Africa, Murray – Darling Basin, New South Wales, Pampas & Chile

**Books Recommended:**

1. Robinson -Latin America
2. Hartshorne -Nature of Geography
3. R.Minshull -Changing Nature of Geography
4. Freeman -A hundred years of Geography
5. Preston E. James -All Possible Worlds
6. Wooldridge -Geography in 20th Century
7. Taylor -Geography in 20th Century
8. S.D.Kaushik -Bhaugolik Bichar Dharayen and Vidhi Tantra (Hindi)
9. Jagdish Singh -Bhaugolik Chintan Ka Muladhar (Hindi)
10. Tripathi & Birle -Bhaugolik Chintan ka Vikas avam Vidhi Tantra(Hindi)
11. Stamp and Beaver -Africa
12. Tiwari -Africa Ka Bhugol (Hindi)
13. Shanhon -South America
14. Prestes -latin America.
15. Taylor -Australia
16. Jagdish Singh -Three Southern Continents
17. Devendra Prasad Singh-Tin Dakshini Mahadweep
18. Do -Bhougolik Chintan Avam Vidhitantra
19. Majid Hussain : History of Geographical Thought

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**PAPER- VI**  
**HUMAN GEOGRAPHY (100 Marks)**

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions. The examination shall be of three hours duration and shall carry 100 marks.

- Unit-1** Man and Environment, Human activities in Mountain environment, Desert environment, Equatorial areas, Monsoon Land and Temperate grasslands.
- Unit-2** Patterns of Population distribution, Trends of Population Growth, Demographic Transition, Factors of population mobility, Internal and international migration courses and consequences
- Unit-3** Evolution of mankind, Study of the following tribes: Santhal, Naga, Bushmen, Eskimo, Gond
- Unit-4** Concept of Rural & Urban Settlements, Rural Settlement Types and Patterns in India. Rural House Types in India
- Unit-5** Evolution of Urban Centres, Locational and functional classification of towns, Trends of urbanisation and distribution of Urban Population in India.

**Books recommended :**

1. Robinson -Human Geography
2. Emery Jones -Human Geography
3. Huntington -Principles of Human Geography
4. Z.Ahmad -Bihar Ki Janjatiyan (Hindi)
5. S.D.Kaushik -Manav Bhugol Ke Sidhanta (Hindi)
6. Chāndana and Sidhu -Geography of Population (English and Hindi)
7. A.Prasad -Geography of Rural Settlements.
8. Smailes -Geography of Towns
9. Trewartha -Cultural Geography
10. Bansal -Nagriya Bhugol (Hindi)
11. N. Sharma – Nagariya Bhugol

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**Group-B**  
**GEOLOGY OF INDIA (100 Marks)**

The course has been divided into five unit. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions. The examination shall be of three hours' duration and shall carry 100 marks.

- |               |   |
|---------------|---|
| <b>Unit-1</b> | Definition and Content of Geology, Standard Stratigraphical Scale, Indian Stratigraphical Scale, Chronological history of Indian Stratigraphy |
| <b>Unit-2</b> | Minerals: Classification, mode of occurrence and distribution of Iron, Copper, Manganese, Coal, Atomic minerals                               |
| <b>Unit-3</b> | Petrological characteristics, classification, distribution and economic importance of Dharwar, Vindhyan, Gondwana and Tertiary systems        |
| <b>Unit-4</b> | Classification of rocks-Igneous, Sedimentary, Metamorphic rocks; metamorphism   |
| <b>Unit-5</b> | Geological Evolution of Himalayas, Chotanagpur Plateau, Rajmahal Highlands, Aravalli  |

**Books recommended:**

1. Wadia, D.N. -Geology of India
2. , Krishnan, M.S. -Geology of India
3. P.K.Mukheijee -A Text book of Geology
4. Brown and Dey -Mineral Wealth of India
5. H.H.Rood -Rutley's Minerology
6. Tyrrol -Petrology
- 7, M.Wadia -Minerals of india
8. Bateman -Economic Minerals Deposits,

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### Group-C

#### Land Use and Agriculture (100 Marks)

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions. The examination shall be of three hours' duration and shall carry 100 marks

- Unit-1** Meaning, and Scope of Land-use and Agricultural Geography. History of Land Use, Land Use Survey of England, Agriculture Location, Theory of Von Theenen, Pattern of Land Use of India
- Unit-2** Factors of Land Use: Physical and Cultural; Land Capability Classification of India, Population and land resource requirements of India
- Unit-3** Origin and History of Agriculture, Diffusion of innovations, Factors influencing agriculture with emphasis on Irrigation and Fertilizers
- Unit-4** Types of farming-Subsistence farming, Commercial grain farming, Plantation agriculture, Dairy farming
- Unit-5** Development of Agriculture in India, Crop-combination in India, Agricultural Regions of India, Agricultural Planning in India

#### Books Recommended:

1. L.D.Stamp -Land of Britain: its Use and Misuse.
2. L.D. Stamp -Applied Geography
3. A.P.A.Vink -Land Use in Advancing Agriculture.
4. Symons -Agricultural Geography (1-hindi and English Edition)
5. Grigg -Agricultural Systems in the World
6. Majid Husain -Agricultural Geography.
7. B.B.Singh -Krishi Bhugol (Hindi)
8. B.S.Negi -Natural Resources.
9. Singh and Dhillon -Agricultural Geography
10. Kaiishik & Sharma -Sansadhan Bhugol (Hindi)
11. B.L.Sharma -Krishi Bhugol (2nd Edition)
12. Kumar & Sharma -Krishi Bhugol

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### Group-C

#### Land Use and Agriculture (100 Marks)

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions. The examination shall be of three hours' duration and shall carry 100 marks

- |        |   |
|--------|---|
| Unit-1 | Meaning, and Scope of Land-use and Agricultural Geography.<br>History of Land Use, Land Use Survey of England, Agriculture<br>Location, Theory of Von Theenen, Pattern of Land Use of India |
| Unit-2 | Factors of Land Use: Physical and Cultural; Land Capability<br>Classification of India, Population and land resource requirements<br>of India   |
| Unit-3 | Origin and History of Agriculture, Diffusion of innovations, Factors<br>influencing agriculture with emphasis on Irrigation and Fertilizers   |
| Unit-4 | Types of farming-Subsistence farming, Commercial grain farming.<br>Plantation agriculture, Dairy farming  |
| Unit-5 | Development of Agriculture in India, Crop-combination in India,<br>Agricultural Regions of India, Agricultural Planning in India  |

#### Books Recommended:

1. L.D.Stamp -Land of Britain: its Use and Misuse.
2. L.D. Stamp -Applied Geography
3. A.P.A.Vink -Land Use in Advancing Agriculture.
4. Symons -Agricultural Geography (1-Indi and English Edition)
5. Grigg -Agricultural Systems in the World
6. Majid Husain -Agricultural Geography.
7. B.B.Singh -Krishi Bhugol (Hindi)
8. B.S.Negi -Natural Resources.
9. Singh and Dhillon -Agricultural Geography
10. Kaiishik & Sharma -Sansadhan Bhugol (Hindi)
11. B.L.Sharma -Krishi Bhugol (2nd Edition)
12. Kumar & Sharma -Krishi Bhugol

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**INDUSTRIAL GEOGRAPHY**  
**PAPER-VII**  
**Group - E**

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each unit. The examinees shall be required to answer five questions. The examination shall be of three hours' duration and shall carry 100 marks.

- Unit-1** Definition, Scope and Contents of Industrial Geography, Relevance of industries in economic development, classification of industries
- Unit-2** Factors of Industrial location, Raw Material, Source of Power; Market; Theories of industrial location: A. Weber, S. Florence, D.M. Smith & Losch.
- Unit-3** Major Industrial Regions of the World with special reference to U.S.A., U.K., China, Japan and India
- Unit-4** Pattern of industrial development and planning in India; Location, distribution and recent trends of Iron & Steel, Cotton Textile, Sugar and Cement industries in India.
- Unit-5** Industrial regionalization in Bihar; Location, Distribution and Recent trends of agro-based and metallic industries in Bihar. Place & Patterns of Small Scale Industries in Bihar

**Books Recommended:**

1. D.M. Smith - Location of Industries
2. M.E. Hurst - Geography of Economic Activity
3. Pramila Kumar - Audyogik Bhugol
4. Rajnial Lorha - Audyogik Bhugol
5. Industrial Geography of India - B.N. Sinha
6. M.B. Singh - Industrial Geography of India
7. Rana Pratap - Audyogik Bhugol

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**PAPER-VII**

**Group – F**

**Urban Geography (100 Marks)**

The course has been divided into five units. There shall be ten questions of which two questions shall be set from each units. The examinees shall be required to answer five questions. The examination shall be of three hours' duration and shall carry 100 marks.

- |               |  |
|---------------|--|
| <b>Unit-1</b> | Concept and Scope of Urban geography, Origin and Evolution of towns, Site and Situation, Locational Classification of towns              |
| <b>Unit-2</b> | Urban Population growth, Census Classification of towns, Urban growth concept; Theories of Burgess, Hoyt and Harris Ullman               |
| <b>Unit-3</b> | Urban land use, urban functions and functional classification; Urban morphology,   |
| <b>Unit-4</b> | Inter-town and town-country relationships, umland, Concepts of core and fringe area, urban slum, metropolitan region and conurbation     |
| <b>Unit-5</b> | Concept of Urban planning, Metropolitan planning and Regional planning; Towns and cities as central places and growth poles, Master Plan |

**Books Recommended:**

1. Freeman -Natural Resources and Urban Development.
2. Smailes -Geography of Towns
3. Gallion -Urban Pattern
4. Taylor -Urban Geography
5. tickinson -City Region and Regionalism.
6. Mayer and Kohn -Reading in Urban Geography
7. Cartet -Urban Geography
8. Rajiv Lochan Sharma- Town and Regional Planning
9. Chapin -Urban Land Use
10. Bansāl -Nagariy Bhugol (Hindi)
11. N. Sharma – Nagariya Bhugol

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### Paper – VIII practical

The course has been divided into two groups. Each group will carry 50 marks. The examination of each group shall be of four hours' duration.

#### GROUP- A

##### Time- 4 Hours

Full marks - 50

|        |  |           |
|--------|--|-----------|
| Unit-1 | Acquaintance with Theodolite, Plane Table Survey         | -15 marks |
| Unit-2 | Prismatic Compass Survey, Dummy Level                    | -15 marks |
| Unit-3 | Profiles:-Serial, - Super-imposed, Projected & Composite | -10 marks |
| Unit-4 | Record of Practical Work and Viva-Voce                   | -10 marks |

#### Group – B

##### Time – 4 Hours

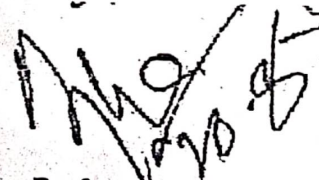
Full marks - 50

|        |   |           |
|--------|---|-----------|
| Unit-1 | Geological Section and Interpretation   | -15 marks |
| Unit-2 | Graphical representation of Statistical data:<br>Climograph, Hythergraph Choropleth &<br>Isopleth Maps Wind-rose, Age & Sex pyramid | -10 marks |
| Unit-3 | Field Study of an area approved by the HOD  | -15 marks |
| Unit-4 | Record of Practical Work and Viva-voce  | -10 marks |

  
Dr. D. P. Singh

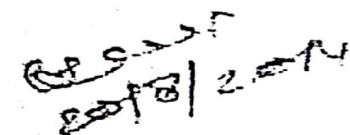
Professor, Ph.D.,  
Dept of Geography

L. N. Mithila University, Darbhanga

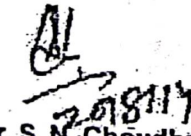
  
Professor M. M. Jha

Dean, Social Science

L. N. Mithila University, Darbhanga

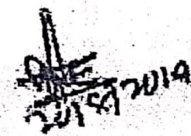
  
Professor K. N. Paswan

H.O.D., Dept of Geography  
Patna University, Patna

  
Dr. S. N. Choudhary

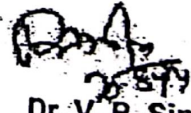
HOD Geography

M. K. College, Laheriasarai,  
Darbhanga

  
Professor P.N. Roy

HOD Geography

R. K. College, Madhubani,

  
Dr. V. P. Singh

Professor and Head,  
Dept of Geography

L. N. Mithila University, Darbhanga