

**Revised Syllabus for the Geography Major Subject of the Six-Semester
B.A./ B.Sc. Programme in the Semester System**

SEMESTER-IV

Paper Code: GGRM 402

PRACTICAL (Population Study and Thematic mapping)

Total Marks : 40 (32 marks for External Evaluation & 8 marks for Internal Evaluation)

No. of Units : 3 (12 marks for each Unit-I & II and 8 marks for Unit –III)

Objectives of the Course:

This paper is designed to acquaint the students with the use of different cartographic methods to represent different population data and their analysis and drawing of thematic maps and their interpretation.

Course Contents:

Unit – I Population Data Study

Marks:12

1. Preparation of population distribution and density maps of Assam and India.
2. Preparation of population growth curve – Assam and India.
3. Age-sex pyramid for developed and developing countries.

Unit –II : Thematic mapping.

Marks:12

- a) Preparation of Maps showing Geographical Themes – Mineral, Forest, Agriculture, Transport etc.
- b) Thematic mapping of North East India.

Unit – III : Practical Note Book and Viva-voce

Marks- 8

1. Practical Note Book - 5 marks
2. Viva-voce - 3 marks

Recommended Text Books:

1. Mishra.R.P.: Fundamentals of Cartography
2. Singh.R.L.: Fundamentals of Practical Geography,DVS Publication,Ghy
3. Singh,G.: Map Wok & Practical Geography,DVS Publication, Ghy
4. Singh,R.L.: Elements of Practical Geography,DVS Publication,Ghy
5. Monk House: Map & Diagrams.

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SEMESTER-IV

**Paper Code: GGRM 404
PRACTICAL (Hypsometric and Bathymetric and Excursion Report)**

Total Marks : 40 (32 marks for External Evaluation & 8 marks for Internal Evaluation).

No. of Units : 3 (12 Marks for each Unit-I & II and 8 marks for Unit – III)

Objective of the Course:

The paper is designed to acquaint the students with the drawing of Hypsometric and Bathymetric curves and their interpretation. Excursion will be conducted by the department.

Course Content:

Unit – I : Hypsometric and Bathymetric Curves Marks12

1. Drawing of Hypsometric curves and their analysis,
2. Drawing of Bathymetric curve and their analysis

Unit – II : Excursion Report Marks12

Unit – III : Practical Note Book & Viva-voce Marks 8

1. Practical Note Book -5 marks
2. Viva-voce - 3 marks

Recommended Text Books:

1. Mishra. R.P.: Fundamentals of Cartography
2. Singh.R.I.: Fundamentals of Practical Geography, DVS Publication, Ghy.
3. Singh.G. Map Work & Practical Geography, DVS Publication, Ghy.
4. Singh.R.L.: Elements of Practical Geography, DVS Publication, Ghy.

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SEMESTER- V

**Paper Code: GGRM 502
PRACTICAL (Cartograms & Project Report)**

Total Marks : 40 (32 marks for External evaluation & 8 marks for Internal Evaluation)

No. of Unit : 3 (12 marks for each Unit-I & II and 8 marks for Unit-III)

Objectives of the Paper:

The objective of the paper is to develop skills among the students regarding the preparation of cartograms and project report writing.

Course Contents:

Unit – I	Flow line & Cartographic Study	Marks- 12
	a) Traffic Flow & Isochronic Cartogram	
	b) Mean Centre Gravity	
Unit – II :	Project Report	Marks - 12
	a) Field Studies & Research Methods	
	b) Project Report – Conduct a field study and identify landforms, Settlements, Land Use pattern & Socio-economic conditions of the study area & prepare a final report on the visited.	
Unit –III :	Practical Note Book & Viva-voce	Marks -8
	1. Practical Note Book	- 5 marks
	2. Viva-voce	- 3 marks

RECOMMENDED TEXT BOOKS:

1. Singh.R.L.: Fundamentals of Practical Geography, DVS, Publication, Ghy
2. Singh,G.: Map Wok & Practical Geography, DVS Publication, Ghy
3. Singh.R.L.: Elements of Practical Geography, DVS Publication, Ghy

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SEMESTER- V

Paper Code: GGRM 508

PRACTICAL (Cartograms and Quantitative analysis & network analysis)

Total Marks : 40 (32 marks for External Evaluation & 8 marks for Internal Evaluation)

No. of Units: 3 (16 marks for Unit- I and 8 marks for Unit-II & III)

Objective of the paper:

The objective of the course is to develop skills among the students regarding the representation of statistical data.

Course Contents:

Unit – I : Quantitative Analysis

Marks – 16

1. Representation of statistical data by using different cartograms
Data on -
 - i) Population
 - ii) Rainfall
 - iii) Agricultural production
 - iv) Soil
 - v) Vegetation
 - vi) Forest Area
2. Map showing co-efficient of variation.

Unit – II : Net-work analysis

Marks -8

1. Net-work analysis - α, β, γ

Unit – III : Practical Note Book and Viva-voce

Marks – 8

1. Practical Note Book - 5 marks
2. Viva-voce - 3 marks

RECOMMENDED TEXT BOOKS:

1. Mahmood. A. : Statistical Methods in Geography
2. Alvi.J. : Statistical Geography
3. Mishra.R.P. : Fundamentals of Cartography
4. Monkhouse: Maps & Diagrams
5. Singh.R.L.: Fundamentals of Practical Geography, :DVS Publication,GHY
6. Singh.G.: Map Wok & Practical Geography, DVS Publication, Ghy
7. Singh. R.L.: Elements of Practical Geography, DVS Publication, Ghy

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SEMESTER- VI

Paper Code : GGRM- 606

PRACTICAL (Pattern Analysis)

Total Marks : 40 (32 marks for External Evaluation & 8 marks for Internal Evaluation)

No. of Units: 3 (12 marks for Unit –I & II and 8 marks for Unit – III)

Objectives of the paper :

The objective of this course is to develop skills among the students regarding the use and analysis of statistical data.

Course Content:

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|---------------------|---|-----------|
| Unit –I : | Statistical Data representation Part-I | Marks -12 |
| | 1. Graphical representation of median and mode. | |
| | 2. Near neighbor analysis | |
| | 3. Principle component analysis- Water, Fisher and Nelson | |
| Unit – II : | Statistical Data representation Part II | Marks -12 |
| | 1. Location quotient analysis | |
| | 2. Lorenz curve | |
| Unit – III : | Practical Note Book and Viva-voce | Marks – 8 |
| | 1. Practical Note Book - 5 marks | |
| | 2. Viva-voce - 3 marks | |

RECOMMENDED TEXT BOOKS:

1. Mahmood, A.: Statistical Method in Geography
2. Alvi.J.: Statistical Geography
3. Singh,R.L.: Fundamentals of Practical Geography, DVS Publication,Ghy
4. Singh,G.: Map Wok & Practical Geography, VS Publication, Ghy
5. Elhance,D.N. Veena Elhance and B.M. Agarwal: Fundamentals of Statistics.
