Modules of Classes and Examinations, Odd Semester - July to Dec. (2023-'24)
CCFUP 4 Years or 3 Years Degree in Geography
Hiralal Bhakat College

Semester-I
Course Type: Major
Course No.: I
Course Title: Geotectonics and Geomorphology
Course Code: GEOG 1011

Evaluation process is divided into three (3) components, viz. **C1, C2, and C3.**

Total Marks: **75** (10+5+60), Credits: 4, Lecture Hours: 60

10 Marks for Internal Assessment (will be organized by the College in general and Department in Particular), that is **C1**. 10 Marks will be evaluated through **Class Test** or Assignment or Seminar. Appearance in **C1** is mandatory.

Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

Tentative **Date** and **Time** of Class Test or Assignment or Seminar: During the end of the 10th week of the semester when approximately 60% of the syllabus of course is to be completed.

5 Marks for Attendance that is **C2**.

Attendance: 50% & above but below 60% - 2 Marks
Attendance: 60% & above but below 75% - 3 Marks
Attendance: 75% & above but below 90% - 4 Marks
Attendance: 90% & Above - 5 Marks

60 Marks for Semester-end-Examination (will be organized by University), that is **C3**.
Syllabus: Whole
Duration: Three Hours
Question Pattern:

Answer 10 questions out of 15 carrying 02 marks each = 10 x 02 = 20 marks.
Answer 04 questions out of 06 carrying 05 marks each = 04 x 05 = 20 marks.
Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks.

Topic List

Unit-I: Concepts in Geotectonic

Sl. No.	Topic	Lecture Hours	Name of Teacher(s)
1	Earth's crust and interior: Internal structure with seismological evidences	4	Biplob Sen
2	Theories of Isostasy: Airy & Pratt	4	Biswajit Mondal
3	Continental Drift: Evidences, criticism and importance	5	Rejaul Islam Sana

4	Sea floor spreading: Process, evidences (Palaeomagnetism)	5	Sajal Ghosh
5	Plate Tectonics: Mechanism of movements, vulcanism, genesis of earthquake and 6 Mountain building	6	Biswajit Mondal
6	Folds and Faults: Origin and classification	6	Niladri Das

Unit-II: Fundamentals of Geomorphology

Sl. No.	Topic	Lecture Hours	Name of Teacher(s)
1	Fundamental principles of Geomorphology	4	Niladri Das
2	Denudational processes and resultant landforms : Weathering and Mass movement	5	Rejaul Islam Sana
3	Theories of landscape evolution: Davis, Penck, and Hack	4	Chandan Ghosh
4	Slope development: Theories of King and Wood	5	Chandan Ghosh
5	Processes and landforms: Fluvial and Coastal	6	Biplob Sen & Rejaul Islam Sana
6	Drainage development on Uniclinal and folded structure	6	Sajal Ghosh

Semester-I
Course Type: Skill Enhancement Course (SEC)
Course No.: I
Course Title: Computer Basics and Computer Applications (Practical)
Course Code: GEOG 1051

Evaluation process is divided into three (3) components, viz. C1, C2, and C3.

Total Marks: **50** (10+40), Credits: 3, Lecture Hours: 90

10 Marks for Internal Assessment (will be organized by the College in general and Department in Particular), that is **C1**. 10 Marks will be evaluated through **Class Test** or Assignment or Seminar. Appearance in C1 is mandatory.

Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

Tentative **Date** and **Time** of Class Test or Assignment or Seminar: During the end of the 10^{th} week of the semester when approximately 60% of the syllabus of course is to be completed.

C2 is not applicable for SEC.

40 Marks for Semester-end-Examination (will be organized by University) that is **C3**.
Syllabus: Whole
Duration: Four Hours

Question Pattern:
Laboratory Notebook – 05 marks
Viva-voce – 10 marks
Experiments – 25 marks

Topic List

Sl. No.	Topic	Lecture Hours	Name of Teacher(s)
1	Numbering Systems; Binary Arithmetic	10	Biplob Sen
2	Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation,	25	Biplob Sen
3	Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.	25	Biplob Sen
4	Preparation of annoted diagrams and its interpretation: Scatter diagram and Histogram	20	Biplob Sen
5	Internet surfing: generation and extraction of information	10	Niladri Das

Note: Sl. No. 2, 3, 4 will be done by using MS Excel

Modules of Classes and Examinations, Odd Semester- July to Dec. (2023-'24)
B.A / B.Sc. (Honours) in Geography
Semester-III
Hiralal Bhakat College, Nalhati

Core Course-5 (CC-5): Climatology

Evaluation process is divided into four (4) components, viz. C1, C2, C3 and C4. Internal Assessment of each course will consist of **C1** and **C2**. C1 and C2 will be taken together. 2/3 of the syllabus is to be completed during the 16th week of the course. Appearance in C1 & C2 is mandatory.

Total Marks: **75** (10+5+60), Credits: 6, Lecture Hours: 6 (per Week)

10 Marks for Internal Assessment (will be organized by College in general and Department in Particular). 10 Marks will be evaluated through Class Test or Assignment or Seminar. Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

5 Marks for Attendance that is **C3**.

Attendance: 50% & above but below 60% - 2 Marks
Attendance: 60% & above but below 75% - 3 Marks
Attendance: 75% & above but below 90% - 4 Marks
Attendance: 90% & Above - 5 Marks

60 Marks for Semester-end-Examination (will be organized by University) that is C4.
Syllabus: Whole
Duration: Three Hours
Question Pattern:

Answer 10 questions out of 15 carrying 02 marks each = 10 x 02 = 20 marks
Answer 04 questions out of 06 carrying 05 marks each = 04 x 05 = 20 marks
Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks

Topic List

Unit 1: Elements of the Atmosphere

Sl. No.	Topic	Name of Teacher(s)
1	Nature, composition and layering of the atmosphere.	Niladri Das
2	Insolation: controlling factors. Heat budget of the atmosphere.	Niladri Das
3	Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences.	Biswajit Mondal
4	Greenhouse effect and importance of ozone layer.	Biswajit Mondal

Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification

Sl. No.	Topic	Name of Teacher(s)
1	Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation.	Biplob Sen
2	Air mass: Typology, origin, characteristics and modification.	Chandan Ghosh
3	Fronts: warm and cold; frontogenesis and frontolysis.	Biplob Sen
4	Weather: stability and instability; barotropic and baroclinic conditions.	Chandan Ghosh
5	Circulation in the atmosphere: Planetary winds, jet stream and monsoons.	Rejaul Islam Sana
6	Tropical and mid-latitude cyclones.	Rejaul Islam Sana
7	Evidences and causes of climate change.	Sajal Ghosh
8	Climatic classification after Köppen, Thornthwaite (1948).	Niladri Das

Core Course-6 (CC-6): Statistical Methods in Geography

Evaluation process is divided into four (4) components, viz. C1, C2, C3 and C4. Internal Assessment of each course will consist of **C1** and **C2**. C1 and C2 will be taken together. 2/3 of the syllabus is to be completed during the 16th week of the course. Appearance in C1 and C2 is mandatory.

Total Marks: **75** (10+5+60), Credits: 6, Lecture Hours: 8 (per Week)

10 Marks for Internal Assessment (will be organized by College in general and Department in Particular) 10 Marks will be evaluated through Class Test or Assignment or Seminar. Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

5 Marks for Attendance that is **C3**.

Attendance: 50% & above but below 60% - 2 Marks
Attendance: 60% & above but below 75% - 3 Marks
Attendance: 75% & above but below 90% - 4 Marks
Attendance: 90% & Above - 5 Marks

60 (40+20) Marks for Semester-end-Examination.

40 Marks (Theory) will be organized by University.
Syllabus: Whole
Duration: Two Hours
Question Pattern:

Answer 05 questions out of 08 carrying 02 marks each = 05 x 02 = 10 marks
Answer 02 questions out of 04 carrying 05 marks each = 02 x 05 = 10 marks

Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks

20 Marks (Practical) will be organized by College.
Syllabus: Whole
Duration: Two Hours
Question Pattern/ Marks Division:
Laboratory Note Book: 05 Marks
Viva- voce: 05 Marks
Experiment: 10 Marks
A project File (Laboratory Note Book), comprising one exercise each is to be submitted.

Topic List

CC-6: Statistical Methods in Geography (Theory)

Unit: 1

Sl. No.	Topic	Name of Teacher(s)
1	Importance and significance of Statistics in Geography. Discrete and continuous data, population and samples, scales of measurement (nominal, ordinal, interval and ratio), sources of data.	Indranil Mondal
2	Collection of data and formation of statistical tables	Indranil Mondal
3	Sampling: Need, types, and significance and methods of random sampling.	Niladri Das
4	Distribution: frequency, cumulative frequency.	Niladri Das

Unit 2

Sl. No.	Topic	Name of Teacher(s)
1	Central tendency: Mean, median, mode, partition values.	Biplob Sen
2	Measures of dispersion range, mean deviation, standard deviation, coefficient of variation.	Biplob Sen
3	Association and correlation: Rank correlation, product moment correlation.	Sajal Ghosh
4	Linear Regression and time series analysis.	Rejaul Islam Sana

CC-6: Statistical Methods in Geography (Practical)

Sl. No.	Topic	Name of Teacher(s)
1	Construction of data matrix with each row representing an aerial unit (Districts / Blocks / Mouzas / Towns) and corresponding columns of relevant attributes.	Niladri Das
2	Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted.	Niladri Das

3	Histograms and frequency curve would be prepared on the dataset.	Sajal Ghosh
4	Based on of the sample set and using two relevant attributes, a scatter diagram and regression line would be plotted and residual from regression would be mapped with a short interpretation.	Rejaul Islam Sana

Core Course (CC-7) Geography of India

Evaluation process is divided into four (4) components, viz. C1, C2, C3 and C4. Internal Assessment of each course will consist of **C1** and **C2**. C1 and C2 will be taken together. 2/3 of the syllabus is to be completed during the 16th week of the course. Appearance in C1 & C2 is mandatory.

Total Marks: **75** (10+5+60), Credits: 6, Lecture Hours: 6 (per Week)

10 Marks for Internal Assessment (will be organized by College in general and Department in Particular). 10 Marks will be evaluated through Class Test or Assignment or Seminar. Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

5 Marks for Attendance that is **C3**.

Attendance: 50% & above but below 60% - 2 Marks
Attendance: 60% & above but below 75% - 3 Marks
Attendance: 75% & above but below 90% - 4 Marks
Attendance: 90% & Above - 5 Marks

60 Marks for Semester-end-Examination (will be organized by University) that is **C4**.
Syllabus: Whole
Duration: Three Hours
Question Pattern:

Answer 10 questions out of 15 carrying 02 marks each = 10 x 02 = 20 marks
Answer 04 questions out of 06 carrying 05 marks each = 04 x 05 = 20 marks
Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks

Topic List

CC-7: Geography of India
Unit 1: Geography of India

Sl. No.	Topic	Name of Teacher(s)
1	Geology and physiographic divisions	Biplob Sen
2	Climate, soil and vegetation: Characteristics and classification	Biplob Sen
3	Population: Distribution, growth, structure and policy	Sajal Ghosh
4	Distribution of population by race, caste, religion, language, tribes	Sajal Ghosh
5	Agricultural regions, Green revolution and its	Rejaul Islam Sana

	consequences	
6	Mineral and power resources distribution and utilisation of iron ore, coal, petroleum	Biswajit Mondal
7	Industrial development since independence.	Chandan Ghosh
8	Regionalisation of India: Views of Spate and Bhatt.	Chandan Ghosh

Unit 2: Geography of West Bengal

Sl. No.	Topic	Name of Teacher(s)
1	Physical perspectives: Physiographic divisions, forest and water resources	Rejaul Islam Sana
2	Population: Growth, distribution and human development	Sajal Ghosh
3	Resources: Mining, agriculture and industries	Biswajit Mondal
4	Regional Development: Darjeeling Hills and Sundarban	Chandan Ghosh

Skill Enhancement Course-1 (SEC-1): Computer Basics and Computer Applications

Evaluation process is divided into four (4) components, viz. C1, C2, C3 and C4. Internal Assessment of each course will consist of **C1** and **C2**. C1 and C2 will be taken together. 2/3 of the syllabus is to be completed during the 16th week of the course. Appearance in C1 & C2 is mandatory.

Total Marks: **50** (10+40), Credits: 4, Lecture Hours: 4 (per Week)

10 Marks for Internal Assessment (will be organized by College in general and Department in Particular). 10 Marks will be evaluated through **Class Test** or Assignment or Seminar. Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

C3 is not applicable for SEC-1.

40 Marks for Semester-end-Examination (will be organized by College) that is **C4**.
Syllabus: Whole
Duration: Four Hours
Question Pattern:

Laboratory Note Book: 05 Marks
Viva- voce: 05 Marks
Experiment: 30 Marks

A project File (Laboratory Note Book), comprising one exercise each is to be submitted.

Topic List

Sl. No.	Topic	Name of Teacher(s)
1	Numbering Systems; Binary Arithmetic	Biplob Sen/ Niladri Das
2	Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.	Biplob Sen/ Niladri Das
3	Preparation of Annoted Diagrams and its interpretation: Scatter diagram and Histogram	Biplob Sen/ Niladri Das
4	Internet Surfing: Generation and extraction of information	Biplob Sen/ Niladri Das

Modules of Classes and Examinations, Odd Semester- July to Dec. (2023-'24)
B.A / B.Sc. (Honours) in Geography
Semester-V
Hiralal Bhakat College, Nalhati

Core Course-11 (CC-11): Research Methodology & Field Work

Evaluation process is divided into four (4) components, viz. C1, C2, C3 and C4. Internal Assessment of each course will consist of **C1** and **C2**. C1 and C2 will be taken together. 2/3 of the syllabus is to be completed during the 16th week of the course. Appearance in C1 and C2 is mandatory.

Total Marks: **75** (10+5+60), Credits: 6, Lecture Hours: 8 (per Week)

10 Marks for Internal Assessment (will be organized by College in general and Department in Particular) 10 Marks will be evaluated through Class Test or Assignment or Seminar. Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

5 Marks for Attendance that is **C3**.

Attendance: 50% & above but below 60% - 2 Marks
Attendance: 60% & above but below 75% - 3 Marks
Attendance: 75% & above but below 90% - 4 Marks
Attendance: 90% & Above - 5 Marks

60 (40+20) Marks for Semester-end-Examination.

40 Marks (Theory) will be organized by University.
Syllabus: Whole
Duration: Two Hours
Question Pattern:

Answer 05 questions out of 08 carrying 02 marks each = 05 x 02 = 10 marks
Answer 02 questions out of 04 carrying 05 marks each = 02 x 05 = 10 marks
Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks

20 Marks (Practical) will be organized by College.
Syllabus: Whole
Duration: Two Hours
Question Pattern/ Marks Division:
Field Report: 05 Marks
Viva- voce: 05 Marks
Experiment: 10 Marks
A project File (Field Report) is to be submitted.

Topic List

CC-11: Research Methodology and Field Work (Theory)

Unit-I: Research Methodology

Sl. No.	Topic	Name of Teacher(s)
1	Research in Geography: Meaning, types and significance	Indranil Mondal
2	Significance of Literature review in research	Indranil Mondal
3	Defining research problem, objectives and hypothesis. Research materials and methods	Indranil Mondal
4	Techniques of writing scientific reports: Preparing notes, references, bibliography (APA Style), abstract and keywords	Indranil Mondal

Unit-II: Field Work

Sl. No.	Topic	Name of Teacher(s)
1	Fieldwork in Geographical studies – Role and significance. Selection of study area and objectives. Pre-field preparations. Ethics of fieldwork	Chandan Ghosh
2	Field techniques and tools: Questionnaires (open, closed, structured, non-structured). Interview with special reverence to focused group discussions.	Chandan Ghosh
3	Field techniques and tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording.	Chandan Ghosh
4	Collection of samples. Preparation of inventory from field data. Post-field tasks.	Chandan Ghosh

CC-11: Research Methodology and Field Work (Practical)

Topic	Name of Teacher(s)
Preparation of field Report	IM, ND, CG, BS, BM, SG, RIS

Core Course-12 (CC-12): Remote Sensing and GIS

Evaluation process is divided into four (4) components, viz. C1, C2, C3 and C4. Internal Assessment of each course will consist of **C1** and **C2**. C1 and C2 will be taken together. 2/3 of the syllabus is to be completed during the 16th week of the course. Appearance in C1 and C2 is mandatory.

Total Marks: **75** (10+5+60), Credits: 6, Lecture Hours: 8 (per Week)

10 Marks for Internal Assessment (will be organized by College in general and Department in Particular) 10 Marks will be evaluated through Class Test or Assignment or Seminar. Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

5 Marks for Attendance that is **C3**.

Attendance: 50% & above but below 60% - 2 Marks
Attendance: 60% & above but below 75% - 3 Marks
Attendance: 75% & above but below 90% - 4 Marks
Attendance: 90% & Above - 5 Marks

60 (40+20) Marks for Semester-end-Examination.

40 Marks (Theory) will be organized by University.
Syllabus: Whole
Duration: Two Hours
Question Pattern:

Answer 05 questions out of 08 carrying 02 marks each = 05 x 02 = 10 marks
Answer 02 questions out of 04 carrying 05 marks each = 02 x 05 = 10 marks
Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks

20 Marks (Practical) will be organized by College.
Syllabus: Whole
Duration: Two Hours
Question Pattern/ Marks Division:

Laboratory Note Book: 05 Marks
Viva- voce: 05 Marks
Experiment: 10 Marks

A project File (Laboratory Note Book), comprising one exercise each is to be submitted.

Topic List

CC-12: Remote Sensing and GIS (Theory)
Unit 1: Remote Sensing

Sl. No.	Topic	Name of Teacher(s)
1	Definition, Concepts and Principles of Remote Sensing (RS): Types of Air Photo, RS satellites, sensors and platforms.	Biplob Sen
2	EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS	Biplob Sen
3	Principles of False Colour Composites (FCC) from IRS LISS-III and Landsat Images (ETM+) data: Image Processing, Pre-processing; Enhancement; Classification.	Rejaul Islam Sana
4	Principles of image interpretation for Forest, Water and Soil	Rejaul Islam Sana

Unit 2: GIS and GNSS

Sl. No.	Topic	Name of Teacher(s)
1	Definition and Components of Geographical Information System (GIS) and raster and vector data structures	Rejaul Islam Sana
2	Principles of preparing attribute tables and overlay analysis	Niladri Das
3	Principles of GNSS positioning - Uses and Waypoint Collection Methods	Niladri Das
4	Applications of Geographical Information System in Flood Management and Urban Sprawl	Niladri Das

CC-12: Remote Sensing and GIS (Practical)

Sl. No.	Topic	Name of Teacher(s)
1	Georeferencing of Scanned Maps	Niladri Das
2	Preparation of FCC using IRS LISS-III and/or Landsat (ETM+) data	Niladri Das
3	Preparation of LULC Map by Supervised Image Classification (Maximum Likelihood) using IRS LISS-III or Landsat (ETM+) data	Niladri Das
4	Digitisation of Point. Line and Polygon Features and Preparation of Thematic Map (using bar, pie and choropleth method	Niladri Das

Discipline Specific Elective-1 (DSE-1): Cultural and Settlement Geography

Evaluation process is divided into four (4) components, viz. C1, C2, C3 and C4. Internal Assessment of each course will consist of **C1** and **C2**. C1 and C2 will be taken together. 2/3 of the syllabus is to be completed during the 16th week of the course. Appearance in C1 & C2 is mandatory.

Total Marks: **75** (10+5+60), Credits: 6, Lecture Hours: 6 (per Week)

10 Marks for Internal Assessment (will be organized by College in general and Department in Particular). 10 Marks will be evaluated through Class Test or Assignment or Seminar. Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

5 Marks for Attendance that is **C3**.

Attendance: 50% & above but below 60% - 2 Marks
Attendance: 60% & above but below 75% - 3 Marks
Attendance: 75% & above but below 90% - 4 Marks
Attendance: 90% & Above - 5 Marks

60 Marks for Semester-end-Examination (will be organized by University) that is C4.
Syllabus: Whole
Duration: Three Hours

Question Pattern:

Answer 10 questions out of 15 carrying 02 marks each = 10 x 02 = 20 marks
Answer 04 questions out of 06 carrying 05 marks each = 04 x 05 = 20 marks
Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks

Topic List

Unit 1 Cultural Geography

Sl. No.	Topic	Name of Teacher(s)
1	Definition, Scope and Content of Cultural Geography	Chandan Ghosh
2	Development of Cultural Geography	Chandan Ghosh
3	Concept of Cultural Hearth, Realm; Cultural Landscape	Chandan Ghosh
4	Cultural Innovation and Diffusion; Diffusion of Major World Religions	Indranil Mondal
5	Cultural Segregation, Cultural Diversity, and Acculturation	Indranil Mondal
6	Major Races of the World: Distribution and Characteristics	Sajal Ghosh

Unit 1 Settlement Geography

Sl. No.	Topic	Name of Teacher(s)
1	Scope and Content of Settlement Geography	Biswajit Mondal
2	Definition and Characteristics of Rural Settlement	Biswajit Mondal
3	Rural Settlements: Site and Situation	Biswajit Mondal
4	Urban Settlements: Census Definition, Urban Outgrowth, Urban Agglomeration	Sajal Ghosh
5	Urban Morphology: Classical Models of Burgess, Hoyt, Harris and Ullman	Rejaul Islam Sana
6	Functional Classification of Cities: Harris and Nelson	Biplob Sen

Discipline Specific Elective-2 (DSE-2): Population Geography

Evaluation process is divided into four (4) components, viz. C1, C2, C3 and C4. Internal Assessment of each course will consist of **C1** and **C2**. C1 and C2 will be taken together. 2/3 of the syllabus is to be completed during the 16th week of the course. Appearance in C1 & C2 is mandatory.

Total Marks: **75** (10+5+60), Credits: 6, Lecture Hours: 6 (per Week)

10 Marks for Internal Assessment (will be organized by College in general and Department in Particular). 10 Marks will be evaluated through Class Test or Assignment or Seminar. Marks division of Class Test will be 10 or **5+5** or 2+2+2+2+2.

5 Marks for Attendance that is **C3**.

Attendance: 50% & above but below 60% - 2 Marks
Attendance: 60% & above but below 75% - 3 Marks
Attendance: 75% & above but below 90% - 4 Marks

Attendance: 90% & Above - 5 Marks

60 Marks for Semester-end-Examination (will be organized by University) that is C4.
Syllabus: Whole
Duration: Three Hours
Question Pattern:

Answer 10 questions out of 15 carrying 02 marks each = 10 x 02 = 20 marks
Answer 04 questions out of 06 carrying 05 marks each = 04 x 05 = 20 marks
Answer 02 questions out of 04 carrying 10 marks each = 02 x 10 = 20 marks

Topic List

Unit-I

Sl. No.	Topic	Name of Teacher(s)
1	Development of Population Geography; Relation between Population Geography and Demography	Sajal Ghosh
2	Determinants of Population Dynamics; Concept of Optimum Population	Sajal Ghosh
3	Theories of population growth: Malthusian Theory and Marxian Approach, Demographic Transition Model	Rejaul Islam Sana
4	Distribution, Density and Growth of Population in India since 1951	Rejaul Islam Sana

Unit-II

Sl. No.	Topic	Name of Teacher(s)
1	Population Composition and Characteristics: Age-Sex; Female-Male Ratio	Chandan Ghosh
2	Measures of Fertility and Mortality	Chandan Ghosh
3	Population Composition of India: Rural and Urban, Occupational Structure as per Census of India	Sajal Ghosh
4	Migration: Theories, Causes and Types	Sajal Ghosh
5	Concept of Human Development Index	Sajal Ghosh
6	Population and development: population-resource regions,	Biswajit Mondal
7	Population policies in Selected Countries: Sweden and China	Biswajit Mondal
8	Contemporary Issues in Population: Health and Unemployment	Chandan Ghosh

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