

**LESSON PLANS**  
**OF**  
**DEPARTMENT OF GEOGRAPHY (B.A)**  
**UG/PG Courses**  
**ODD Semester**



**2025-26**

**INDIRA GANDHI (PG) MAHILA MAHAVIDYALAYA**

**Affiliated to Kurukshetra University, Kurukshetra**

**Karnal Road, Kaithal -136027 (Haryana)**

INDIRA GANDHI (P.G.) MAHILA MAHAVIDYALAYA, KAITHAL

Affiliated to KURUKSHETRA UNIVERSITY, KURUKSHETRA

Department of Geography

Lesson Plan (Session 2025-2026)

Class: B.A

Name of the Course: Physical Geography

Dates: 22 July 2025-24 November 2025

Semester: I

Course Code B23-GEO-101

SYLLABUS

Maximum Marks: 100

End Term Exam Marks: 50+20=70 Marks

Note: Examiner will be required to set nine questions in all. First question will be compulsory, consisting of short type question covering the entire syllabus. In addition to that eight more questions will be set, two questions from each unit. Students will be required to attempt in all. In addition to the compulsory question, student will have to attempt four more questions selecting one question from each unit.

Time: 3 hours

Assessment: 20(T) +10(P) =30 Marks

Unit	Topics	Contact Hours
Unit: I	1. Interior of the earth, geological time scale, rocks and their types 2. Theory of isostasy, continental drift and plate tectonic; earthquakes and volcanic activities	11
Unit: II	3 Degradational process, weathering, mass wasting and resultant landform 4. Landforms generated by following geomorphic agents; river, under-ground water, wind and glacier	11
Unit: III	5. Weather and climate: Atmosphere-composition and structure 6. Atmosphere temperature, pressure and moisture measurement and distribution	11
Unit: IV	7. Surface configuration of ocean floors: surface relief of the Pacific, Atlantic and Indian Ocean 8. Circulation of oceanic waters: current of the Pacific, Atlantic and Indian Ocean	12
V*	Instructions for external practical examiner: There will be three questions in all and candidate has to attempt two exercises.  Distribution of marks for evaluation  Exercise = 10 marks  File record = 5 marks  Viva-voce = 5 marks  <b>Practical Record:</b> A project file consisting of 8 exercises on the below mentioned themes:- <ul style="list-style-type: none"><li>• Identification and collection of rocks samples: granite, basalt, laterite, limestone, shale, sandstone, conglomerate, slate, phyllite, schist, gneiss, quartzite (1 exercise)</li><li>• Extraction of physiographic information from survey of India 1:50000 topographical maps of mountain plateau.</li></ul>	30

Text Books:

- Singh, S (1998) Geomorphology, Prayag Publication, Allahabad
- Singh, S (2012) Physical Geography, Prayag Publication, Allahabad

Course Outcomes:

After completing this course, the learner will be able to:

- acquire the knowledge about basic concepts of geo-tectonics
- understand about the agents and processes of change on the surface of the earth
- enrich knowledge about atmosphere and its climate

## Lesson Plan

SR. No	Date	Practical	Content Course
1	22 July – 25 July 2025	Identification and collection of rocks samples: granite, basalt	Interior of the earth
2	28 July – 2 August	Revision	Geological time scale
3	4 August – 8 August	Identification and collection of rocks samples laterite, limestone, shale	Rocks and their types
4	11 August – 14 August	Revision	Theory of isostasy
5	18 August – 23 August	Identification and collection of rocks samples sandstone, conglomerate,	Continental drift and plate tectonic
6	25 August – 30 August	Revision	Earthquakes and volcanoes
7	1 Sep. – 6 Sep.	Identification and collection of rocks samples: slate, phyllite, schist	Degradational processes: weathering
8	8 Sep. – 13 Sep.	Revision	Mass wasting and resultant landforms.
9	15 Sep. – 20 Sep.	Identification and collection of rocks samples gneiss, quartzite	Landforms generated by following geomorphic agents: river, under-ground, wind and glacier
10	22 Sep. – 27 Sep.	Revision	Weather and climate
11	29 Sep. – 4 October	Extraction of physiographic in formation from survey of India 1:50000 topographical maps of mountain plateau.	Atmosphere composition and structure, temperature and pressure, moisture measurement and distribution
12	6 October – 11 October	Revision	Surface configuration of ocean floors
13	13 October – 18 October	Revision	Surface relief of the Pacific Atlantic and Indian Ocean
14	27 October – 1 Nov.	Extraction of physiographic in formation from survey of India 1:50000 topographical maps of mountain plateau.	Circulation of oceanic waters: current of the Pacific ocean, Atlantic and Indian Ocean
15	3 Nov. – 24 Nov.	Revision	Revision

Signature of Teacher

Head of Department

**INDIRA GANDHI (P.G.) MAHILA MAHAVIDYALAYA, KAITHAL**

**Affiliated to Kurukshetra University, Kurukshetra**

**Department Of Geography**

**Lesson Plan (Session 2025-2026)**

Class: B.A

Name of the Course: Geography of India

Dates: 22 July 2025-24 November 2025

Semester: **III**

Course Code B23-GEO-301

**SYLLABUS**

Maximum Marks: 100

Time: 3 hours

End Term Exam Marks: 50+20=70 Marks

Assessment: 20(T) +10(P) =30 Marks

Note: Examiner will be required to set nine questions in all. First question will be compulsory, consisting of short type question covering the entire syllabus in addition to that eight more questions will be set, two question from each unit. Students will be required to attempt in all. In addition to the compulsory question, student will have to attempt four more questions selecting one question from each unit.

<b>Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
<b>Unit: I</b>	1. Physical division and drainage system 2. Climate, soils and natural vegetation	12
<b>Unit: II</b>	3 Agriculture crops: major crops and cropping pattern, green revolution and its impact 4. Development of irrigation sources canals and tube well	11
<b>Unit: III</b>	5. Population: distribution, density and growth 6. Population composition sex ratio rural and urban, literacy, work force, language and religion	11
<b>Unit: IV</b>	7. Resources Production and distribution of iron ore, coal, petroleum hydro power, solar and thermal power 8. Industries: iron and steel, sugar and cotton textile; transport and communication	11
V*	Instructions for external practical examiner: There will be three questions in all and candidate has to attempt two exercises.  Distribution of marks for evaluation  Exercise 10 marks  File record = 5 marks  Viva Voce 5 marks  <b>Practical record:</b> A project file consisting of exercises on the below mentioned themes:- <ul style="list-style-type: none"><li>• Identification and delineation of watershed of major rivers on map</li><li>• Land use pattern of India (pie chart)</li><li>• Occupation structure of India (pie chart)</li></ul>	30

**Text Books:**

- Tirtha, Ranjit (2002) Geography of India, Rawat Pubis, Jaipur & New Delhi
- Tiwari, R.C. (2007) Geography of India, Prayag Pustak Bhawan, Allahabad

**Course Outcomes:**

After successfully completing this course, students will be able to:

- provide knowledge about the physiography of our nation
- understand the agriculture and irrigation system
- understand the basic demographic structure and literacy

## Lesson Plan

SR. No	Date	Practical	Course Content
1	22 July – 25 July 2025	Identification of watershed of major rivers on map	Physical division
2	28 July – 2 August	Revision	Drainage system
3	4 August – 8 August	Delineation of watershed of major rivers on map	Climate and soils
4	11 August – 14 August	Revision	Natural vegetation
5	18 August – 23 August	Land use pattern of India	Major crops and cropping pattern
6	25 August – 30 August	Revision	Green revolution and its impact
7	1 Sep. – 6 Sep.	Land use pattern of India	Development of irrigation source canals
8	8 Sep. – 13 Sep.	Revision	Development of irrigation source tube wells
9	15 Sep. – 20 Sep.	Revision	Population distribution
10	22 Sep. – 27 Sep.	Occupation structure of India	Population density and growth
11	29 Sep. – 4 October	Revision	Population composition: sex ratio, rural and urban
12	6 October – 11 October	Revision	Population composition: literacy, work force
13	13 October – 18 October	Occupation structure of India	Population composition: language and religion
14	27 October – 1 Nov.	Revision	Resources: Production and distribution of iron ore coal, Petroleum, hydro power, solar and thermal power,
15	3 Nov. – 8 Nov.	Revision	Industries: iron and steel, sugar and cotton textile, Transport and communication
16	10 Nov. – 24 Nov.	Revision	Revision

Signature of Teacher

Head of Department

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**Department Of Geography**

**Lesson Plan (Session 2025-2026)**

Class: B.A

Name of the Course: Statistical methods in geography

Dates: 22 July 2025-24 November 2025

Semester: V

Course Code B23-GEO-501

**SYLLABUS**

Maximum Marks: 100

End Term Exam Marks: 50+20=70 Marks

Note: Examiner will be required to set nine questions in all. First question will be compulsory, consisting of short type question covering the entire syllabus in addition to that eight more questions will be set, two question from each unit. Students will be required to attempt in all. In addition to the compulsory question, student will have to attempt four more questions selecting one question from each unit.

Time: 3 hours

Assessment: 20(T) +10(P) =30 Marks

Unit	Topics	Contact Hours
Unit: I	1. Data organization and it's types, tabulation of data frequency distribution of nominal, interval and ordinal data, class interval, ratios and rates 2. Graphical presentation of data: histogram frequency polygon and ogives	11
Unit: II	3. Measure of central tendency: mean, median and mode 4. Measure of quantile, decile and percentile	12
Unit: III	5. Absolute measure of dispersion range, quartile deviation 6. Mean deviation and standard deviation (grouped and ungrouped data)	11
Unit: IV	7. Relative measure of deviation coefficient of variation, location quotient 8. Basic of bivariate: scatter diagram, rank correlation	11
V*	Instructions for external practical examiner: There will be three questions in all and candidate has to attempt two exercises.  Distribution of marks for evaluation  Exercise 10 marks  File record 5 marks  Viva-Voce 5 marks  <b>Practical record:</b> A project file consisting of exercises on the below mentioned themes:-  1 mapping/ graphic presentation of mean center  2. graphical presentation of mode  3. graphical presentation of Bivariate data	30

**Text Books:**

- Gregory .S. statistical methods and the geographers, Longman, London, 1964.
- Sarkar, A. Quantitative Geography: Techniques and presentation 2013

**Course Outcomes:**

After successfully completing this course, students will be able to:

- understand the basic of quantitative methods
- enrich understanding about types of all
- skilled 10 data analysis and its presentation

## Lesson Plan

SR. No	Date	Practical	Course Content
1	22 July – 25 July 2025	Internship	Internship
2	28 July – 2 August	Internship	Internship
3	4 August – 8 August	Mapping presentation of mean center	Data organization and its types
4	11 August – 14 August	Revision	Tabulation of data
5	18 August – 23 August	Revision	Frequency distribution of nominal
6	25 August – 30 August	Revision	Interval and ordinal data, Class interval, ratios and rates.
7	1 Sep. – 6 Sep.	Graphic presentation of mean center	Graphical presentation of data: histogram
8	8 Sep. – 13 Sep.	Revision	Frequency polygon and ogives
9	15 Sep. – 20 Sep.	Revision	Measure of central tendency: mean, median and mode
10	22 Sep. – 27 Sep.	Graphical presentation of mode	Measure of quantile, Decile and percentile
11	29 Sep. – 4 October	Revision	Absolute measure of dispersion: range
12	6 October – 11 October	Revision	Quartile deviation, Mean deviation, Standard deviation
13	13 October – 18 October	Graphical presentation of Bivariate data	Relative measure of deviation coefficient of variation, location quotient
14	27 October – 1 Nov.	Revision	Basic of bivariate: scatter diagram, Rank correlation
15	3 Nov. – 24 Nov.	Revision	Revision

**Signature of Teacher**

**Head of Department**