

# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Subhash Chander

Department : Geography

Class : B.A

Sem. : First( odd sem.)

Subject: Geography of India

Sr. No.	Week	Name of Topic
1	week 1 ( Aug.2022)	India: Location, relief, Drainage systems.
2	week 2 ( Aug.2022)	Climate
3	week 3( Sep.2022)	Soils, natural vegetation
4	week 4( Sep.2022)	Natural disasters in India.
5	week 5 ( Sep.2022)	Population: distribution, density, Population: growth and composition.
6	week 6 ( Sep.2022)	Production and Distribution of crops: Rice, Wheat, Cotton and Sugarcane
7	week 7 (Oct.2022)	Crops: special reference to Haryana, Green revolution.
8	week 8 (Oct.2022)	Energy resources: coal, petroleum, hydroelectricity,
9	week 9 (Oct.2022)	Solar, and nuclear energy
10	week 10 (Oct.2022)	Mineral resources: iron ore, manganese, aluminium, and mica.
11	week 11(Nov.2022)	Industries- iron and steel, cotton textile, sugar
12	week 12(Nov.2022)	Industrial regions of India with special reference to Haryana.
13	week 13 (Nov.2022)	Transport and communication, Modes of transport:
14	week 14(Nov.2022)	Road, Railway, Water
15	week 15 (Dec.2022)	Revision
16	week 16	
17	17 week	

  
Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Subhash Chander

Department Geography

Class : B.A                      Sem. : 1st (Practical)

Subject : GEOG- 102: Maps, Scales

Sr. No.	Week	Name of Topic
1	week 1 ( Aug.2022)	Introduction to Cartography.
2	week 2 ( Aug.2022)	Maps and their types.
3	week 3( Sep.2022)	Map Scales. Methods of Expressing a scale –Exercise 1
4	week 4( Sep.2022)	Methods of Expressing a scale–Exercise 1
5	week 5 ( Sep.2022)	Conversion of Statement of Scale into R.F. and vice-versa. – Exercise 1
6	week 6 ( Sep.2022)	Plain Scale (Km and mile) –Exercise 1
7	week 7 (Oct.2022)	Comparative Scale–Exercise 1
8	week 8 (Oct.2022)	Comparative Scale–Exercise 1
9	week 9 (Oct.2022)	Diagonal Scale–Exercise 2
10	week 10 (Oct.2022)	Measurement of Distances and Areas on Maps–Exercise 1
11	week 11(Nov.2022)	Measurement of Distances and Areas on Maps–Exercise 1
12	week 12(Nov.2022)	Enlargement and Reduction of Maps–Exercise 1
13	week 13 (Nov.2022)	Enlargement and Reduction of Maps–Exercise 1
14	week 14(Nov.2022)	Enlargement and Reduction of Maps–Exercise 1
15	week 15 (Dec.2022)	Revision
16	week 16	
17	17 week	

  
Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Subhash Chander & Neelam

Department Geography

Class : B.A

Sem. : 3rd

Subject : GEOG 201 : Physical Geography-II

Sr. No.	Week	Name of Topic
1	week 1 ( Aug.2022)	Weather and Climate; Origin, composition and structure of atmosphere.
2	week 2 ( Aug.2022)	Insolation, Global heat budget, Horizontal and vertical distribution of temperature.
3	week 3( Sep.2022)	Horizontal and vertical distribution of temperature, inversion of temperature.
4	week 4( Sep.2022)	Atmospheric pressure- measurement and distribution, pressure belts, planetary winds.
5	week 5 ( Sep.2022)	planetary winds, Monsoon, Jet Streams EL NINO- La Nina Phenomenon and Local winds.
6	week 6 ( Sep.2022)	Humidity- measurement and variables, evaporation, condensation. precipitation types and distribution, hydrological cycle.
7	week 7 (Oct.2022)	Air masses- concept and classification; Fronts- type and characteristics.
8	week 8 (Oct.2022)	Weather disturbances- tropical and extra-tropical cyclones.
9	week 9 (Oct.2022)	Climate classification by Koppen; climatic change and global warming.
10	week 10 (Oct.2022)	Configuration of oceanic floors and surface relief of Pacific.
11	week 11(Nov.2022)	Configuration of oceanic floors and surface relief Atlantic and Indian Oceans.
12	week 12(Nov.2022)	temperature and salinity of oceans.
13	week 13 (Nov.2022)	Tides, waves and oceanic currents; circulation in Pacific.
14	week 14(Nov.2022)	currents; circulation in Atlantic and Indian Oceans; Oceanic resources.
15	week 15 (Dec.2022)	Revision
16	week 16	
17	17 week	

Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Subhash Chander & Neelam

Department Geography

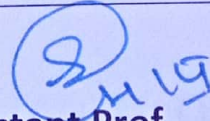
Class : B.A

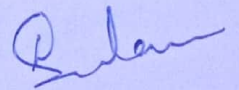
Sem. : 3rd (Practical)

Subject : GEOG(P) 202 : Representation of Climatic Data

Sr. No.	Week	Name of Topic
1	week 1 ( Aug.2022)	Measurement of temperature, rainfall.
2	week 2 ( Aug.2022)	Measurement of pressure and humidity.
3	week 3( Sep.2022)	Representation of temperature and rainfall.
4	week 4( Sep.2022)	Line and Bar Graph – 1 Exercise.
5	week 5 ( Sep.2022)	Distribution of temperature (180 therms) – 1 Exercise.
6	week 6 ( Sep.2022)	Distribution of rainfall (180 hytes) – 1 Exercise.
7	week 7 (Oct.2022)	Rainfall deviation diagram - 1 Exercise.
8	week 8 (Oct.2022)	Climograph (wet and dry places) - 1Exercise.
9	week 9 (Oct.2022)	Climograph (wet and dry places) - 1 Exercise.
10	week 10 (Oct.2022)	Distribution of pressure (180 bars) - 1 Exercise.
11	week 11(Nov.2022)	Distribution of pressure (180 bars) - 1 Exercise.
12	week 12(Nov.2022)	Distribution of temperature (180 isotherms) - 1 Exercise.
13	week 13 (Nov.2022)	Distribution of temperature (180 isotherms) - 1 Exercise.
14	week 14(Nov.2022)	Weather map Interpretation (January & July) – 1 Exercise.
15	week 15 (Dec.2022)	Weather map Interpretation (January & July) – 1 Exercise.
16	week 16	
17	17 week	

Sign. of Assistant Prof.







# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Neelam

Department Geography

Class : B.A

Sem. : 5th

Subject : GEOG 301 : Economic Geography

Sr. No.	Week	Name of Topic
1	week 1 ( Aug.2022)	Definition, Nature, scope and approaches of economic geography.
2	week 2 ( Aug.2022)	Relationship of economic geography with economics and other branches of social sciences.
3	week 3( Sep.2022)	Main concept of economic geography; resources concept
4	week 4( Sep.2022)	Classification; resource and conservation.
5	week 5 ( Sep.2022)	factors affecting location of economic activity with special reference to agriculture ( Von Thunen Theory), Industry (weber's Theory)
6	week 6 ( Sep.2022)	Subsistence agriculture(rice, wheat)
7	week 7 (Oct.2022)	commercial agriculture (cotton, sugarcane, tea, rubber and coffee)
8	week 8 (Oct.2022)	Manufacturing (cotton textile, iron and steel)
9	week 9 (Oct.2022)	Concept of manufacturing regions, special economic zones and technology parks.
10	week 10 (Oct.2022)	World transportation: major trans-continental railways.
11	week 11(Nov.2022)	Sea routes, geo-economic factors in their development.
12	week 12(Nov.2022)	WTO and international trade; patterns and trends
13	week 13 (Nov.2022)	Major trade blocks
14	week 14(Nov.2022)	Effect of globalization on developing countries
15	week 15 (Dec.2022)	Revision
16	week 16	
17	17 week	

  
Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Neelam

Department Geography

Class : B.A

Sem. : 5<sup>th</sup> (Practical)

Subject : GEOG(P) 302 : Distribution Maps, Diagrams

Sr. No.	Week	Name of Topic
1	week 1 ( Aug.2022)	Principal of map design and layout, Symbolization: point, line and area symbol, Lettering and toponomy.
2	week 2 ( Aug.2022)	Mechanics of map construction
3	week 3( Sep.2022)	Distribution maps: Qualitative distribution maps: Choroschematic maps- 1 Exercise
4	week 4( Sep.2022)	Chorochromatic maps- 1 Exercise
5	week 5 ( Sep.2022)	Chorochromatic maps- 1 Exercise
6	week 6 ( Sep.2022)	Quantitative distribution Maps: Isopleth maps-1 Exercise
7	week 7 (Oct.2022)	Isopleth maps-2 Exercises
8	week 8 (Oct.2022)	Introduction of Choropleth maps and-1 Exercise
9	week 9 (Oct.2022)	Choropleth maps-2 Exercises
10	week 10 (Oct.2022)	Introduction of Dot maps and -1 Exercise
11	week 11(Nov.2022)	Dot maps-2 Exercises
12	week 12(Nov.2022)	Introduction of Diagrammatic maps and- 1 Exercise
13	week 13 (Nov.2022)	Diagrammatic maps- 2 Exercises
14	week 14(Nov.2022)	Prismatic Compass Survey – 1 Exercises.
15	week 15 (Dec.2022)	Prismatic Compass Survey – 1 Exercises.
16	week 16	
17	17 week	

Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Subhash Chander

Department Geography

Class : B.A

Sem. : 2nd

Subject : Physical Geography –I (Theory)

Sr. No.	Week	Name of Topic
1	week 1 ( Jan.2023)	Definition, Nature, scope and fields of Physical Geography.
2	week 2 ( Jan.2023)	Interior of the earth.
3	week 3 (Feb..2023)	Geological time scale and rocks.
4	week 4 (Feb..2023)	Earth movements; folds and faults.
5	week 5 (Feb..2023)	earth quakes and volcanoes.
6	week 6 (Feb..2023)	Theory of Isostasy.
7	week 7 (March 2023)	Wegner 's continental drift theory.
8	week 8 (March 2023)	Plate tectonic theory.
9	week 9 (March 2023)	Weathering; processes and its types.
10	week 10 (March 2023)	Mass-movements; causes, its types and impacts.
11	week 11 ( April 2023)	Cycle of erosion; concepts and theories of W.M. Davis.
12	week 12 ( April 2023)	Cycle of erosion; concepts : Penck.
13	week 13 ( April 2023)	Processes and landforms of : Wind, River.
14	week 14( April 2023)	Processes and landforms : Underground water.
15	week 15 (May 2023)	Processes and landforms : Glaciers.
16	week 16 (May 2023)	Revision
17	week 17	

  
Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of Assistant Professor Subhash Chander

Department Geography

Class : B.A Sem. : 2nd (Practical)

Subject : 104: Representation of Physical Features

Sr. No.	Week	Name of Topic
1	week 1 ( Jan.2023)	Introduction to Topographical Sheets India and adjacent countries
2	week 2 ( Jan.2023)	Degree Sheet, Half Degree Sheet, Quarter Degree Sheet Exercises
3	week 3 (Feb..2023)	Conventional Signs - Exercises 1
4	week 4 (Feb..2023)	Methods of representing relief
5	week 5 (Feb..2023)	Slopes (Concave, convex, undulating and terraced) - Exercises 1
6	week 6 (Feb..2023)	Valleys (V Shaped, U shaped, Gorge, Re-entrant) - Exercises 1
7	week 7 (March 2023)	Ridges (Conical hill, Volcanic hill, Plateau, Escarpment) - Exercises 2
8	week 8 (March 2023)	Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast) - Exercises 2
9	week 9 (March 2023)	Drawing of Profiles
10	week 10 (March 2023)	Cross Profiles: Serial- Exercises 1
11	week 11 ( April 2023)	Superimposed Profile- Exercises 1
12	week 12 ( April 2023)	Projected Profile, composite profiles. - Exercises 2
13	week 13 ( April 2023)	Longitudinal profiles. - Exercises 1
14	week 14( April 2023)	Chain and Tape Survey- Exercises 1
15	week 15 (May 2023)	Chain and Tape Survey- Exercises 1
16	week 16 (May 2023)	Revision
17	week 17	

  
Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Neelam

Department Geography

Class : B.A

Sem. : 4th

Subject : GEOG 203 : Human Geography

Sr. No.	Week	Name of Topic
1	week 1 ( Jan.2023)	Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography.
2	week 2 ( Jan.2023)	Division of Mankind: Spatial distribution of race of India; concept of men-environment relation: A historical approach.
3	week 3 ( Jan.2023)	Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman
4	week 4 (Feb..2023)	Human adaptation to the environment(iii) Plateau – Gonds (iv) Mountains – Gujjars
5	week 5 (Feb..2023)	Meaning, nature and components of resources; Classification of resources – renewal and non- renewable.
6	week 6 (Feb..2023)	Classification of resources :Biotic and abiotic, recyclable and non recyclable.
7	week 7 (Feb..2023)	Distribution and density of world population, population growth.
8	week 8 (March 2023)	Demographic Transition Model.
9	week 9 (March 2023)	Concept of over, under and optimum population; Population theories: Malthus. Population theories: Ricardo and Marx.
10	week 10 (March 2023)	Rural settlements: Meaning, classification and types.
11	week 11 (March 2023)	Urban settlements: Origin, classification and functions of towns.
12	week 12 ( April 2023)	Problems of urbanization in India.
13	week 13 ( April 2023)	Population pressure, resource use and environment degradation; sustainable development,
14	week 14( April 2023)	Concept of deforestation, soil erosion,
15	week 15 ( April 2023)	Air and water pollution.
16	week 16 (May 2023)	Revision
17	week 17(May 2023)	Revision

Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of Assistant Professor Neelam

Department Geography

Class : B.A

Sem. : 4<sup>th</sup> (Practical)

Subject : GEOG(P) 204 : Map Projections

Sr. No.	Week	Name of Topic
1	week 1 ( Jan.2023)	Introduction to Map Projection: Meaning, Classification and importance Characteristics of latitudes and longitudes lines.
2	week 2 ( Jan.2023)	Cylindrical projections : Characteristics applications and drawing; Simple cylindrical projection
3	week 3 ( Jan.2023)	Cylindrical equal area projection.
4	week 4 (Feb..2023)	True shape or orthomorphic or Mercator's Projection.
5	week 5 (Feb..2023)	Conical Projections: Simple conical projections with one standard parallel
6	week 6 (Feb..2023)	Simple conical projection with two standard parallel
7	week 7 (Feb..2023)	Bonne's Projection
8	week 8 (March 2023)	Polyconic projection.
9	week 9 (March 2023)	International Map Projection.
10	week 10 (March 2023)	Zenithal Projections: Polar Zenithal Equidistant Projection
11	week 11 (March 2023)	Polar Zenithal Equal Area Projection, Polar Zenithal Gnomonic Projection
12	week 12 ( April 2023)	Polar Zenithal Stereographic Projection, Polar Zenithal Orthographic Projection
13	week 13 ( April 2023)	Sinosoidal Projections.
14	week 14( April 2023)	Mollweide Projections
15	week 15 ( April 2023)	Plane Table Survey.
16	week 16 (May 2023)	Plane Table Survey.
17	week 17(May 2023)	Revision

Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of Assistant Professor Subhash Chander

Department Geography

Class : B.A

Sem. : 6th

Subject : GEOG 303 : Introduction to Remote Sensing, GIS & Quantitative Methods

Sr. No.	Week	Name of Topic
1	week 1 ( Jan.2023)	Introduction to Aerial Photographs: their advantages and types.
2	week 2 ( Jan.2023)	Elements of aerial Photo interpretation.
3	week 3 ( Jan.2023)	Basic of Remote Sensing ( Electromagnetic Spectrum)
4	week 4 (Feb..2023)	Remote Sensing :Sensors and Platform, Resolution and Types)
5	week 5 (Feb..2023)	Development of Remote Sensing Technology; Types of Imageries
6	week 6 (Feb..2023)	Remote Sensing Technology :use in Natural resources management India
7	week 7 (Feb..2023)	Remote Sensing Technology :use in Natural resources management India
8	week 8 (March 2023)	Introduction to Geographical Information System: Definition, purpose.
9	week 9 (March 2023)	Geographical Information System: Advantages and software and hardware requirements.
10	week 10 (March 2023)	Application of GIS in various fields of geography.
11	week 11 (March 2023)	Measure of Central Tendency: Mean,
12	week 12 ( April 2023)	Central Tendency :Median and Mode
13	week 13 ( April 2023)	Measure of Dispersion: Range, Quartile deviation
14	week 14( April 2023)	Mean deviation, Standard deviation
15	week 15 ( April 2023)	Coefficient of variation.
16	week 16 (May 2023)	Revision
17	week 17(May 2023)	Revision

Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23

Name of assistant professor Subhash Chander

Department Geography

Class : B.A

Sem. : 6<sup>th</sup> (Practical)

Subject : GEOG(P) 304 : Remote Sensing and Field Survey Report

Sr. No.	Week	Name of Topic
1	week 1 ( Jan.2023)	Demarcation of Principal Point, Conjugate Principal point AND Flight line on Aerial Photographs
2	week 2 ( Jan.2023)	Demarcation of Principal Point, Conjugate Principal point- 1 Exercise
3	week 3 ( Jan.2023)	Flight line on Aerial Photographs – 1 Exercise
4	week 4 (Feb..2023)	Determination of Scale of Aerial Photographs
5	week 5 (Feb..2023)	Determination of Scale of Aerial Photographs – 1 Exercise.
6	week 6 (Feb..2023)	Interpretation of Single Vertical Photographs
7	week 7 (Feb..2023)	Interpretation of Single Vertical Photographs – 1 Exercise
8	week 8 (March 2023)	Use of Stereoscope and Identification of Features
9	week 9 (March 2023)	Use of Stereoscope and Identification of Features – 1 Exercise.
10	week 10 (March 2023)	Identification of Features on IRSID, LISS III imagery
11	week 11 (March 2023)	Identification of Features on IRSID, LISS III imagery (Mark copy of FCC) -1 Exercise.
12	week 12 ( April 2023)	Socio-economic Survey and Report Writing
13	week 13 ( April 2023)	Socio-economic Survey and Report Writing
14	week 14( April 2023)	Field Survey Report
15	week 15 ( April 2023)	Field Survey Report
16	week 16 (May 2023)	Revision
17	week 17(May 2023)	Revision

  
Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2022-23 Name of assistant professor Neelam & Subhash Chander  
Department Geography Class : B.A Sem. : 2<sup>nd</sup>  
Subject : Environment Studies

Sr. No.	Week	Name of Topic
1	week 1 ( Jan.2023)	पर्यावरण अध्ययन का बहुविधक स्वरूप, परिभाषा, कार्यक्षेत्र एवं महत्व
2	week 2 ( Jan.2023)	प्राकृतिक संसाधन
3	week 3 ( Jan.2023)	प्राकृतिक संसाधनों का संरक्षण
4	week 4 (Feb..2023)	पारिस्थितिकी तंत्र की अवधारणा, रचना एवं कार्य, ऊर्जा गतिकी एवं प्रकार
5	week 5 (Feb..2023)	पारिस्थितिकी तंत्र में खाद्य प्रणालिया, खाद्य जाल तथा पारिस्थितिकी पिरामिड
6	week 6 (Feb..2023)	जैव विविधता भूमिका, परिभाषा, प्रकार, भारत का जैव भौगोलिक वर्गीकरण
7	week 7 (Feb..2023)	जैव विविधता का महत्व एवं संरक्षण
8	week 8 (March 2023)	पर्यावरण प्रदूषण परिभाषा, कारण, प्रभाव एवं नियंत्रण के तरीके
9	week 9 (March 2023)	प्राकृतिक आपदाएं, प्रकार, प्रभाव एवं आपदा प्रबंधन
10	week 10 (March 2023)	प्राकृतिक आपदाएं, प्रकार, प्रभाव एवं आपदा प्रबंधन
11	week 11 (March 2023)	सामाजिक समस्याएं/प्रश्न एवं पर्यावरण
12	week 12 ( April 2023)	पर्यावरण सुरक्षा विधेयक, पर्यावरण जन चेतना
13	week 13 ( April 2023)	मानव जनसंख्या तथा पर्यावरण
14	week 14( April 2023)	क्षेत्र कार्य
15	week 15 ( April 2023)	Revision
16	week 16 (May 2023)	Revision
17	week 17(May 2023)	

