

# Government College Balsamand (Hisar)

Lesson plan. session:- 2020-21

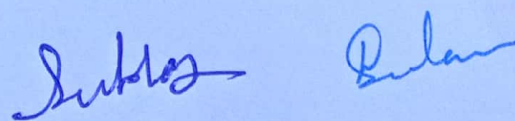
Name of assistant professor Subhash Chander & Neelam

Department : Geography

Class : B.A Sem. : First ( odd sem.)

Subject: Geography of India

Sr. No.	Week	Name of Topic
1	week 1 (Nov.2020)	India: Location, relief
2	week 2(November))	Drainage systems.
3	week 3(November))	Climate
4	week 4(November)	Soils, natural vegetation
5	week 5 (December))	Natural disasters in India.
6	week 6(December)	Population: distribution, density,
7	week 7(December)	Population: growth and composition.
8	week 8 (December)	Production and Distribution of crops: Rice, Wheat, Cotton and Sugarcane
9	week 9 ( Jan.2021)	Crops: special reference to Haryana, Green revolution.
10	week 10 (January)	Energy resources: coal, petroleum, hydroelectricity,
11	week 11(January)	Solar, and nuclear energy
12	week 12(January)	Mineral resources: iron ore, manganese, aluminium, and mica.
13	week 13 (February)	Industries- iron and steel, cotton textile, sugar
14	week 14(February)	Industrial regions of India with special reference to Haryana.
15	week 15(February)	Transport and communication, Modes of transport: Road,
16	week 16(February)	Railway, Water
17	March.and April	Revision ,test and Assingment

  
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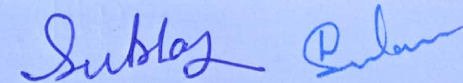
Name of assistant professor Subhash Chander & Neelam

Department Geography

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

Subject : GEOG- 102: Maps, Scales

Sr. No.	Week	Name of Topic
1	week 1 (Nov.2020)	Introduction to Cartography.
2	week 2(November))	Maps and their types.
3	week 3(November))	Map Scales.
4	week 4(November)	Methods of Expressing a scale –Exercise 1
5	week 5 (December))	Methods of Expressing a scale–Exercise 1
6	week 6(December)	Conversion of Statement of Scale into R.F. and vice-versa. – Exercise 1
7	week 7(December)	Plain Scale (Km and mile) –Exercise 1
8	week 8 (December)	Comparative Scale–Exercise 1
9	week 9 ( Jan.2021)	Comparative Scale–Exercise 1
10	week 10 (January)	Diagonal Scale–Exercise 1
11	week 11(January)	Diagonal Scale–Exercise 1
12	week 12(January)	Measurement of Distances and Areas on Maps–Exercise 1
13	week 13 (February)	Measurement of Distances and Areas on Maps–Exercise 1
14	week 14(February)	Enlargement and Reduction of Maps–Exercise 1
15	week 15(February)	Enlargement and Reduction of Maps–Exercise 1
16	week 16(February)	Enlargement and Reduction of Maps–Exercise 1
17	March.and April	Revision and test

  
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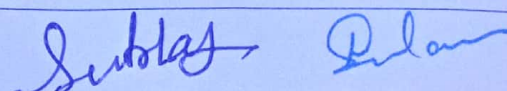
Department Geography

Class : B.A

Sem. : 3rd

Subject : GEOG 201 : Physical Geography-II

Sr. No.	Week	Name of Topic
1	week 1 (Nov.2020)	Weather and Climate; Origin, composition and structure of atmosphere.
2	week 2(November))	Insolation, Global heat budget, Horizontal and vertical distribution of temperature.
3	week 3(November))	Horizontal and vertical distribution of temperature,inversion of temperature.
4	week 4(November)	Atmospheric pressure- measurement and distribution, pressure belts, planetary winds.
5	week 5 (December))	planetary winds, Monsoon
6	week 6(December)	Jet Streams EL NINO- La Nina Phenomenon and Local winds.
7	week 7(December)	Humidity- measurement and variables, evaporation, condensation.
8	week 8 (December)	precipitation types and distribution, hydrological cycle.
9	week 9 ( Jan.2021)	Air masses- concept and classification; Fronts- type and characteristics.
10	week 10 (January)	Weather disturbances- tropical and extra-tropical cyclones.
11	week 11(January)	Climate classification by Koppen; climatic change and global warming.
12	week 12(January)	Configuration of oceanic floors and surface relief of Pacific.
13	week 13 (February)	Configuration of oceanic floors and surface relief Atlantic and Indian Oceans.
14	week 14(February)	temperature and salinity of oceans.
15	week 15(February)	Tides, waves and oceanic currents; circulation in Pacific.
16	week 16(February)	currents; circulation in Atlantic and Indian Oceans; Oceanic resources.
17	March.and April	Revision ,test and Assingment

  
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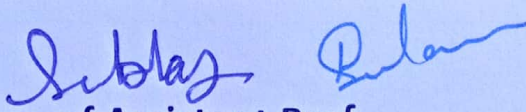
Department Geography

Class : B.A

Sem. : 3rd (Practical)

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

Sr. No.	Week	Name of Topic
1	week 1 (Nov.2020)	Measurement of temperature, rainfall.
2	week 2(November))	Measurement of pressure and humidity.
3	week 3(November))	Representation of temperature and rainfall.
4	week 4(November)	Line and Bar Graph – 1 Exercise.
5	week 5 (December))	Distribution of temperature (180 therms) – 1 Exercise.
6	week 6(December)	Distribution of rainfall (180 hytes) – 1 Exercise.
7	week 7(December)	Rainfall deviation diagram - 1 Exercise.
8	week 8 (December)	Climograph (wet and dry places) - 1Exercise.
9	week 9 ( Jan.2021)	Climograph (wet and dry places) - 1 Exercise.
10	week 10 (January)	Distribution of pressure (180 bars) - 1 Exercise.
11	week 11(January)	Distribution of pressure (180 bars) - 1 Exercise.
12	week 12(January)	Distribution of temperature (180 isotherms ) - 1 Exercise.
13	week 13 (February)	Distribution of temperature (180 isotherms ) - 1 Exercise.
14	week 14(February)	Weather map Interpretation (January & July) – 1 Exercise.
15	week 15(February)	Weather map Interpretation (January & July) - 1 Exercise.
16	week 16(February)	Revision
17	March.and April	Revision and test

  
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# Government College Balsamand (Hisar)

Lesson plan. session:- 2020-21

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 (Nov.2020)	Definition, Nature, scope and approaches of economic geography.
2	week 2(November))	Relationship of economic geography with economics and other branches of social sciences.
3	week 3(November))	Main concept of economic geography; resources concept
4	week 4(November)	Classification; resource and conservation.
5	week 5 (December))	factors affecting location of economic activity with special reference to agriculture ( Von Thunen Theory), Industry (weber's Theory)
6	week 6(December)	Subsistence agriculture(rice, wheat)
7	week 7(December)	commercial agriculture (cotton, sugarcane, tea, rubber and coffee)
8	week 8 (December)	Manufacturing (cotton textile, iron and steel)
9	week 9 ( Jan.2021)	Concept of manufacturing regions, special economic zones and technology parks.
10	week 10 (January)	Concept of manufacturing regions, special economic zones and technology parks.
11	week 11(January)	World transportation: major trans-continental railways.
12	week 12(January)	Sea routes, geo-economic factors in their development.
13	week 13 (February)	WTO and international trade; patterns and trends
14	week 14(February)	Major trade blocks
15	week 15(February)	Major trade blocks
16	week 16(February)	Effect of globalization on developing countries
17	March.and April	Revision ,test and Assingment

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# Government College Balsamand (Hisar)

Lesson plan. session:- 2020-21

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 (Nov.2020)	Principal of map design and layout, Symbolization: point, line and area symbol, Lettering and toponomy.
2	week 2(November))	Mechanics of map construction
3	week 3(November))	Distribution maps:
4	week 4(November)	Qualitative distribution maps: Chorochromatic maps- 1 Exercise
5	week 5 (December))	Choro-chromatic maps- 1 Exercise
6	week 6(December)	Choro-chromatic maps- 1 Exercise
7	week 7(December)	Quantitative distribution Maps: Isopleth maps-1 Exercise
8	week 8 (December)	Isopleth maps-2 Exercises
9	week 9 ( Jan.2021)	Introduction of Choropleth maps and-1 Exercise
10	week 10 (January)	Choropleth maps-2 Exercises
11	week 11(January)	Introduction of Dot maps and -1 Exercise
12	week 12(January)	Dot maps-2 Exercises
13	week 13 (February)	Introduction of Diagrammatic maps and- 1 Exercise
14	week 14(February)	Diagrammatic maps- 2 Exercises
15	week 15(February)	Prismatic Compass Survey – 1 Exercises.
16	week 16(February)	Prismatic Compass Survey – 1 Exercises.
17	March.and April	Revision and test

  
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# Government College Balsamand (Hisar)

Lesson plan. session:- 2020-21

Name of assistant professor : NEELAM

Department Geography

Class : B.Com

Sem. : First

Subject : -Environment Studies (Theory)

Sr. No.	Week	Name of Topic
1	week 1 (Nov.2020)	पर्यावरण अध्ययन का बहुविध स्वरूप, परिभाषा, कार्यक्षेत्र एवं महत्व
2	week 2(November))	प्राकृतिक संसाधन
3	week 3(November))	प्राकृतिक संसाधनों का संरक्षण
4	week 4(November)	पारिस्थितिकी तंत्र की अवधारणा, रचना एवं कार्य, ऊर्जा गतिकी एवं प्रकार
5	week 5 (December))	पारिस्थितिकी तंत्र में खाद्य प्रणालिया, खाद्य जाल तथा पारिस्थितिकी पिरामिड
6	week 6(December)	जैव विविधता भूमिका, परिभाषा, प्रकार, भारत का जैव भौगोलिक वर्गीकरण
7	week 7(December)	जैव विविधता का महत्व एवं संरक्षण
8	week 8 (December)	पर्यावरण प्रदूषण परिभाषा, कारण, प्रभाव एवं नियंत्रण के तरीके
9	week 9 ( Jan.2021)	प्राकृतिक आपदाएं, प्रकार, प्रभाव एवं आपदा प्रबंधन
10	week 10 (January)	प्राकृतिक आपदाएं, प्रकार, प्रभाव एवं आपदा प्रबंधन
11	week 11(January)	सामाजिक समस्याएं/प्रश्न एवं पर्यावरण
12	week 12(January)	पर्यावरण सुरक्षा विधेयक, पर्यावरण जन चेतना
13	week 13 (February)	मानव जनसंख्या तथा पर्यावरण
14	week 14(February)	क्षेत्र कार्य
15	week 15(February)	Revision
16	week 16(February)	Revision
17	March.and April	Revision & Test

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Name of assistant professor Subhash Chander & Neelam

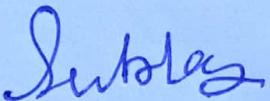
Department Geography

Class : B.A

Sem. : 2nd

Subject : Physical Geography –I (Theory)

Sr. No.	Week	Name of Topic
1	week 1 ( May 2021)	Definition, Nature, scope and fields of Physical Geography.
2	week 2 ( May 2021)	Interior of the earth.
3	week 3 ( May 2021)	Geological time scale and rocks.
4	week 4 ( May 2021)	Earth movements; folds and faults.
5	week 5 ( June 2021)	earth quakes and volcanoes.
6	week 6 ( June 2021)	Theory of Isostasy.
7	week 7 ( June 2021)	Wegner 's continental drift theory.
8	week 8 ( June 2021)	Plate tectonic theory.
9	week 9 ( July 2021)	Weathering; processes and its types.
10	week 10 ( July 2021)	Mass-movements; causes, its types and impacts.
11	week 11 ( July 2021)	Cycle of erosion; concepts and theories of W.M. Davis.
12	week 12 ( July 2021)	Cycle of erosion; concepts : Penck.
13	week 13 ( Aug.2021)	Processes and landforms of : Wind, River.
14	week 14 ( Aug.2021)	Processes and landforms : Underground water.
15	week 15 ( Aug.2021)	Processes and landforms : Glaciers.
16	week 16 ( Aug.2021)	Revision
17	week 17	

  
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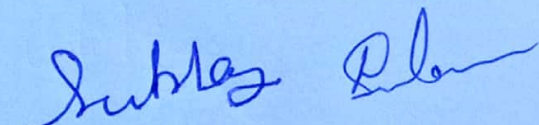
Name of Assistant Professor Subhash Chander & Neelam

Department Geography

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

Subject : 104: Representation of Physical Features

Sr. No.	Week	Name of Topic
1	week 1 ( May 2021)	Introduction to Topographical Sheets India and adjacent countries
2	week 2 ( May 2021)	Degree Sheet, Half Degree Sheet, Quarter Degree Sheet Exercises
3	week 3 ( May 2021)	Conventional Signs - Exercises 1
4	week 4 ( May 2021)	Methods of representing relief
5	week 5 ( June 2021)	Slopes (Concave, convex, undulating and terraced) - Exercises 1
6	week 6 ( June 2021)	Valleys (V Shaped, U shaped, Gorge, Re-entrant) - Exercises 1
7	week 7 ( June 2021)	Ridges (Conical hill, Volcanic hill, Plateau, Escarpment) - Exercises 2
8	week 8 ( June 2021)	Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast) - Exercises 2
9	week 9 ( July 2021)	Drawing of Profiles
10	week 10 ( July 2021)	Cross Profiles: Serial- Exercises 1
11	week 11 ( July 2021)	Superimposed Profile- Exercises 1
12	week 12 ( July 2021)	Projected Profile, composite profiles. - Exercises 2
13	week 13 (Aug.2021)	Longitudinal profiles. - Exercises 1
14	week 14 (Aug.2021)	Chain and Tape Survey- Exercises 1
15	week 15 (Aug.2021)	Chain and Tape Survey- Exercises 1
16	week 16 (Aug.2021)	Revision
17	week 17	

  
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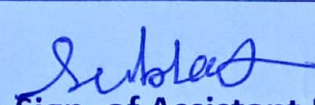
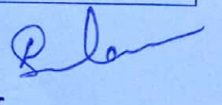
Name of Assistant Professor Subhash Chander & Neelam

Department Geography

Class : B.A Sem. : 4th

Subject : GEOG 203 : Human Geography

Sr. No.	Week	Name of Topic
1	week 1 ( May 2021)	Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography.
2	week 2 ( May 2021)	Division of Mankind: Spatial distribution of race of India; concept of men-environment relation: A historical approach.
3	week 3 ( May 2021)	Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman
4	week 4 ( May 2021)	Human adaptation to the environment(iii) Plateau – Gonds (iv) Mountains – Gujjars
5	week 5 ( June 2021)	Meaning, nature and components of resources; Classification of resources – renewal and non- renewable.
6	week 6 ( June 2021)	Classification of resources :Biotic and abiotic, recyclable and non recyclable.
7	week 7 ( June 2021)	Distribution and density of world population, population growth.
8	week 8 ( June 2021)	Demographic Transition Model.
9	week 9 ( July 2021)	Concept of over, under and optimum population; Population theories: Malthus. Population theories: Ricardo and Marx.
10	week 10 ( July 2021)	Rural settlements: Meaning, classification and types.
11	week 11 ( July 2021)	Urban settlements: Origin, classification and functions of towns.
12	week 12 ( July 2021)	Problems of urbanization in India.
13	week 13 (Aug.2021)	Population pressure, resource use and environment degradation; sustainable development,
14	week 14 (Aug.2021)	Concept of deforestation, soil erosion,
15	week 15 (Aug.2021)	Air and water pollution.
16	week 16 (Aug.2021)	Revision
17	week 17	

  
  
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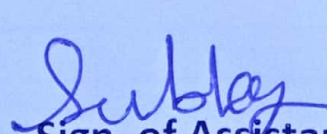
Department Geography

Class : B.A

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

Subject : GEOG(P) 204 : Map Projections

Sr. No.	Week	Name of Topic
1	week 1 ( May 2021)	Introduction to Map Projection: Meaning, Classification and importance Characteristics of latitudes and longitudes lines.
2	week 2 ( May 2021)	Cylindrical projections : Characteristics applications and drawing; Simple cylindrical projection
3	week 3 ( May 2021)	Cylindrical equal area projection.
4	week 4 ( May 2021)	True shape or orthomorphic or Mercator's Projection.
5	week 5 ( June 2021)	Conical Projections: Simple conical projections with one standard parallel
6	week 6 ( June 2021)	Simple conical projection with two standard parallel
7	week 7 ( June 2021)	Bonne's Projection
8	week 8 ( June 2021)	Polyconic projection.
9	week 9 ( July 2021)	International Map Projection.
10	week 10 ( July 2021)	Zenithal Projections: Polar Zenithal Equidistant Projection
11	week 11 ( July 2021)	Polar Zenithal Equal Area Projection, Polar Zenithal Gnomonic Projection
12	week 12 ( July 2021)	Polar Zenithal Stereographic Projection, Polar Zenithal Orthographic Projection
13	week 13 (Aug.2021)	Sinosoidal Projections. Mollweide Projections
14	week 14 (Aug.2021)	Plane Table Survey.
15	week 15 (Aug.2021)	Plane Table Survey.
16	week 16 (Aug.2021)	Revision
17	week 17	

  
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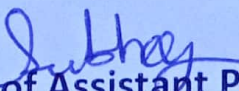
Department Geography

Class : B.A

Sem. : 6th

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

Sr. No.	Week	Name of Topic
1	week 1 ( May 2021)	Introduction to Aerial Photographs: their advantages and types.
2	week 2 ( May 2021)	Elements of aerial Photo interpretation.
3	week 3 ( May 2021)	Basic of Remote Sensing ( Electromagnetic Spectrum)
4	week 4 ( May 2021)	Remote Sensing :Sensors and Platform, Resolution and Types)
5	week 5 ( June 2021)	Development of Remote Sensing Technology; Types of Imageries
6	week 6 ( June 2021)	Remote Sensing Technology :use in Natural resources management India
7	week 7 ( June 2021)	Introduction to Geographical Information System: Definition, purpose.
8	week 8 ( June 2021)	Geographical Information System: Advantages and software and hardware requirements.
9	week 9 ( July 2021)	Application of GIS in various fields of geography.
10	week 10 ( July 2021)	Measure of Central Tendency: Mean,
11	week 11 ( July 2021)	Central Tendency :Median and Mode
12	week 12 ( July 2021)	Measure of Dispersion: Range, Quartile deviation
13	week 13 (Aug.2021)	Mean deviation, Standard deviation
14	week 14 (Aug.2021)	Coefficient of variation.
15	week 15 (Aug.2021)	Revision
16	week 16 (Aug.2021)	Revision
17	week 17	

  
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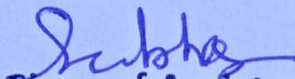
Department Geography

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 ( May 2021)	Demarcation of Principal Point, Conjugate Principal point AND Flight line on Aerial Photographs
2	week 2 ( May 2021)	Demarcation of Principal Point, Conjugate Principal point– 1 Exercise
3	week 3 ( May 2021)	Flight line on Aerial Photographs – 1 Exercise
4	week 4 ( May 2021)	Determination of Scale of Aerial Photographs
5	week 5 ( June 2021)	Determination of Scale of Aerial Photographs – 1 Exercise.
6	week 6 ( June 2021)	Interpretation of Single Vertical Photographs
7	week 7 ( June 2021)	Interpretation of Single Vertical Photographs – 1 Exercise
8	week 8 ( June 2021)	Use of Stereoscope and Identification of Features
9	week 9 ( July 2021)	Use of Stereoscope and Identification of Features – 1 Exercise.
10	week 10 ( July 2021)	Identification of Features on IRSID, LISS III imagery
11	week 11 ( July 2021)	Identification of Features on IRSID, LISS III imagery (Mark copy of FCC) -1 Exercise.
12	week 12 ( July 2021)	Socio-economic Survey and Report Writing
13	week 13 ( Aug.2021)	Socio-economic Survey and Report Writing
14	week 14 ( Aug.2021)	Field Survey Report
15	week 15 ( Aug.2021)	Field Survey Report
16	week 16 ( Aug.2021)	Revision
17	week 17	

  
Sign. of Assistant Prof.



# Government College Balsamand (Hisar)

Lesson plan. session:- 2020-21 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 ( May 2021)	पर्यावरण अध्ययन का बहुविध स्वरूप, परिभाषा, कार्यक्षेत्र एवं महत्व
2	week 2 ( May 2021)	प्राकृतिक संसाधन
3	week 3 ( May 2021)	प्राकृतिक संसाधनों का संरक्षण
4	week 4 ( May 2021)	पारिस्थितिकी तंत्र की अवधारणा, रचना एवं कार्य, ऊर्जा गतिकी एवं प्रकार
5	week 5 ( June 2021)	पारिस्थितिकी तंत्र में खाद्य प्रणालिया, खाद्य जाल तथा पारिस्थितिकी पिरामिड
6	week 6 ( June 2021)	जैव विविधता भूमिका, परिभाषा, प्रकार, भारत का जैव भौगोलिक वर्गीकरण
7	week 7 ( June 2021)	जैव विविधता का महत्व एवं संरक्षण
8	week 8 ( June 2021)	पर्यावरण प्रदूषण परिभाषा, कारण, प्रभाव एवं नियंत्रण के तरीके
9	week 9 ( July 2021)	प्राकृतिक आपदाएं, प्रकार, प्रभाव एवं आपदा प्रबंधन
10	week 10 ( July 2021)	प्राकृतिक आपदाएं, प्रकार, प्रभाव एवं आपदा प्रबंधन
11	week 11 ( July 2021)	सामाजिक समस्याएं/प्रश्न एवं पर्यावरण
12	week 12 ( July 2021)	पर्यावरण सुरक्षा विधेयक, पर्यावरण जन चेतना
13	week 13 ( Aug.2021)	मानव जनसंख्या तथा पर्यावरण
14	week 14 (Aug.2021)	क्षेत्र कार्य
15	week 15 (Aug.2021)	Revision
16	week 16 (Aug.2021)	Revision
17	week 17	

*Subhash Chander*