Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

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 (Sep.2021)	India: Location, relief
2	week 2(September)	Drainage systems.
3	week 3(September)	Climate
4	week 4(September)	Soils, natural vegetation
5	week 5 (October)	Natural disasters in India.
6	week 6(October)	Population: distribution, density,
7	week 7(October)	Population: growth and composition.
8	week 8 (October)	Production and Distribution of crops: Rice, Wheat, Cotton and Sugarcane
9	week 9 (November)	Crops: special reference to Haryana, Green revolution.
10	week 10(November)	Energy resources: coal, petroleum, hydroelectricity,
11	week 11(November)	Solar, and nuclear energy
12	week 12(November)	Mineral resources: iron ore, manganese, aluminium, and mica.
13	week 13 (December)	Industries- iron and steel, cotton textile, sugar
14	week 14(December)	Industrial regions of India with special reference to Haryana.
15	week 15(December)	Transport and communication, Modes of transport: Road,
16	week 16(December)	Railway, Water
17	17 week (01.01.2022 to 04.01.2022)	Revision and test

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

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 (Sep.2021)	Introduction to Cartography.
2	week 2(September)	Maps and their types.
3	week 3(September)	Map Scales.
4	week 4(September)	Methods of Expressing a scale –Exercise 1
5	week 5 (October)	Methods of Expressing a scale–Exercise 1
6	week 6(October)	Conversion of Statement of Scale into R.F. and vice-versa. – Exercise 1
7	week 7(October)	Plain Scale (Km and mile) –Exercise 1
8	week 8 (October)	Comparative Scale–Exercise 1
9	week 9 (November)	Comparative Scale–Exercise 1
10	week 10(November)	Diagonal Scale–Exercise 1
11	week 11(November)	Diagonal Scale–Exercise 1
12	week 12(November)	Measurement of Distances and Areas on Maps–Exercise 1
13	week 13 (December)	Measurement of Distances and Areas on Maps–Exercise 1
14	week 14(December)	Enlargement and Reduction of Maps–Exercise 1
15	week 15(December)	Enlargement and Reduction of Maps–Exercise 1
16	week 16(December)	Enlargement and Reduction of Maps–Exercise 1
17	17 week (01.01.2022 to 04.01.2022)	Revision and test

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

Name of assistant professor Neelam

Department Geography

Class : B.A **Sem. : 3rd**

Subject : GEOG 201 : Physical Geography-II

Sr. No.	Week	Name of Topic
1	week 1 (Sep.2021)	Weather and Climate; Origin, composition and structure of atmosphere.
2	week 2(September)	Insolation, Global heat budget, Horizontal and vertical distribution of temperature.
3	week 3(September)	Horizontal and vertical distribution of temperature,inversion of temperature.
4	week 4(September)	Atmospheric pressure- measurement and distribution, pressure belts, planetary winds.
5	week 5 (October)	planetary winds, Monsoon
6	week 6(October)	Jet Streams EL NINO- La Nina Phenomenon and Local winds.
7	week 7(October)	Humidity- measurement and variables, evaporation, condensation.
8	week 8 (October)	precipitation types and distribution, hydrological cycle.
9	week 9 (November)	Air masses- concept and classification; Fronts- type and characteristics.
10	week 10(November)	Weather disturbances- tropical and extra-tropical cyclones.
11	week 11(November)	Climate classification by Koppen; climatic change and global warming.
12	week 12(November)	Configuration of oceanic floors and surface relief of Pacific.
13	week 13 (December)	Configuration of oceanic floors and surface relief Atlantic and Indian Oceans.
14	week 14(December)	temperature and salinity of oceans.
15	week 15(December)	Tides, waves and oceanic currents; circulation in Pacific.
16	week 16(December)	currents; circulation in Atlantic and Indian Oceans; Oceanic resources.
17	17 week (01.01.2022 to 04.01.2022)	

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

Name of assistant professor Subhash Chander

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 (Sep.2021)	Measurement of temperature, rainfall.
2	week 2(September)	Measurement of pressure and humidity.
3	week 3(September)	Representation of temperature and rainfall.
4	week 4(September)	Line and Bar Graph – 1 Exercise.
5	week 5 (October)	Distribution of temperature (180 therms) – 1 Exercise.
6	week 6(October)	Distribution of rainfall (180 hytes) – 1 Exercise.
7	week 7(October)	Rainfall deviation diagram - 1 Exercise.
8	week 8 (October)	Climograph (wet and dry places) - 1Exercise.
9	week 9 (November)	Climograph (wet and dry places) - 1 Exercise.
10	week 10(November)	Distribution of pressure (180 bars) - 1 Exercise.
11	week 11(November)	Distribution of pressure (180 bars) - 1 Exercise.
12	week 12(November)	Distribution of temperature (180 isotherms) - 1 Exercise.
13	week 13 (December)	Distribution of temperature (180 isotherms) - 1 Exercise.
14	week 14(December)	Weather map Interpretation (January & July) – 1 Exercise.
15	week 15(December)	Weather map Interpretation (January & July) - 1 Exercise.
16	week 16(December)	Revision
17	17 week (01.01.2022 to 04.01.2022)	Revision and test

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

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 (Sep.2021)	Definition, Nature, scope and approaches of economic geography.
2	week 2(September)	Relationship of economic geography with economics and other branches of social sciences.
3	week 3(September)	Main concept of economic geography; resources concept
4	week 4(September)	Classification; resource and conservation.
5	week 5 (October)	factors affecting location of economic activity with special reference to agriculture (Von Thunen Theory), Industry (weber's Theory)
6	week 6(October)	Subsistence agriculture(rice, wheat)
7	week 7(October)	commercial agriculture (cotton, sugarcane, tea, rubber and coffee)
8	week 8 (October)	Manufacturing (cotton textile, iron and steel)
9	week 9 (November)	Concept of manufacturing regions, special economic zones and technology parks.
10	week 10(November)	World transportation: major trans-continental railways.
11	week 11(November)	Sea routes, geo-economic factors in their development.
12	week 12(November)	WTO and international trade; patterns and trends
13	week 13 (December)	Major trade blocks
14	week 14(December)	Effect of globalization on developing countries
15	week 15(December)	Revision
16	week 16(December)	Revision
17	17 week (01.01.2022 to 04.01.2022)	Revision

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

Name of assistant professor Neelam

Department Geography

Class : B.A **Sem. : 5th (Practical)**

Subject : GEOG(P) 204 : Map Projections

Sr. No.	Week	Name of Topic
1	week 1 (Sep.2021)	Principal of map design and layout, Symbolization: point, line and area symbol, Lettering and toponomy.
2	week 2(September)	Mechanics of map construction
3	week 3(September)	Distribution maps:
4	week 4(September)	Qualitative distribution maps: Choroschematic maps- 1 Exercise
5	week 5 (October)	Chorochromatic maps- 1 Exercise
6	week 6(October)	Chorochromatic maps- 1 Exercise
7	week 7(October)	Quantitative distribution Maps: Isopleth maps-1 Exercise
8	week 8 (October)	Isopleth maps-2 Exercises
9	week 9 (November)	Introduction of Choropleth maps and-1 Exercise
10	week 10(November)	Choropleth maps-2 Exercises
11	week 11(November)	Introduction of Dot maps and -1 Exercise
12	week 12(November)	Dot maps-2 Exercises
13	week 13 (December)	Introduction of Diagrammatic maps and- 1 Exercise
14	week 14(December)	Diagrammatic maps- 2 Exercises
15	week 15(December)	Prismatic Compass Survey – 2 Exercises.
16	week 16(December)	Revision
17	17 week (01.01.2022 to 04.01.2022)	Revision and test

Sign. of Assistant Prof.

Govt. College Balsamand (Hisar)

Lesson Plan 2021-22 (Odd Sem)

Name of Asst. Prof- Meenakshi

Dept. - Mathematics

Class- B.Com 1st sem

Subject- Environment Studies

Week	Topic
3rd week (Oct)	Multidisciplinary nature of Environmental studies: Definition, scope and importance, need for public awareness: concepts, structure and function of an ecosystem: Producers, consumers and decomposers
4th week (Oct)	Energy flow in the ecosystem, Ecological succession, food chains, Food webs and ecological pyramids: Introduction, Characteristics, structure and function of different ecosystems such as Forest ecosystem, Grass land ecosystems Desert ecosystem,
1st week (Nov)	Aquatic ecosystem (Ponds, Stream, Lakes, rivers, oceans, estuaries); Biodiversity: Introduction, Definition: genetic, species and ecosystem diversity, Bio-geographical classification of India
2nd week (Nov)	Ecosystem & biodiversity services: ecological, economic, social, consumptive use, productive use, social ethical, aesthetic and option values: Biodiversity at global, national and local level
3rd week (Nov)	Indian as a mega-diversity nation, Global Hot-spot of biodiversity, Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, Biological invasions econgered and endemic species of India, Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.
4th week (Nov)	Renewable and non-renewable resources, Natural resources and associated problems, Forest resources: Use and over-exploitation, deforestation, case studies, Timers extraction, mining, dams and their effects on forests and tribal people; Water resources: Use and over utilization of surface and ground water
1st week (Dec)	floods, droughts conflicts over water, dams benefits and problems; Mineral resources: Use of exploitation, environmental effects of extracting and mineral resources; Food resources: World food problems; changes caused by agriculture and overgrazing, effects of modern agriculture
2nd week (Dec)	fertilizer-pesticide problems, water logging, salinity: Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies; Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
3rd week (Dec)	Definition of environment Pollution; Causes, effects and control measures of: Air Pollution, Water Pollution, Noise pollution, Nuclear hazards and human health risk; Solid water Management:

	Causes, effects and control measures of urban and industrial wastes; Pollution case studies.
4th week (Dec)	Disaster management: floods, earthquake, cyclone and landslides; Climate change, global warming, acid rain, ozone layer depletion; different laws related to environment: Environment Protection Act
1st week (Jan)	Air (Prevention and Control of Pollution) Act, Water (Prevention and control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act.; International agreements: Montreal & Kyoto Protocol & Nature reserves, tribal populations and human health
2nd week (Jan)	Concepts of sustainability & sustainable development, water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of project affected persons; case studies;
3rd week (Jan)	Environment ethics: role of India and other religion and cultures in environmental conservation, Environmental communication and public awareness, case studies (e.g. CNG vehicles in Delhi); Human Population growth: Impact on environment, human health & welfare
4th week (Jan)	Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan. Field Work
1st week (Feb)	Field Work
2nd week (Feb)	Revision

Meenakshi

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

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 (Feb.2022)	Definition, Nature, scope and fields of Physical Geography.
2	week 2 (Feb.2022)	Interior of the earth.
3	week 3 (Feb.2022)	Geological time scale and rocks.
4	week 4 (Feb.2022)	Earth movements; folds and faults.
5	week 5 (March 2022)	earth quakes and volcanoes.
6	week 6 (March 2022)	Theory of Isostasy.
7	week 7 (March 2022)	Wegner 's continental drift theory.
8	week 8 (March 2022)	Plate tectonic theory.
9	week 9 (April 2022)	Weathering; processes and its types.
10	week 10 (April 2022)	Mass-movements; causes, its types and impacts.
11	week 11 (April 2022)	Cycle of erosion; concepts and theories of W.M. Davis.
12	week 12 (April 2022)	Cycle of erosion; concepts : Penck.
13	week 13 (May 2022)	Processes and landforms of : Wind, River.
14	week 14(May 2022)	Processes and landforms : Underground water.
15	week 15 (May 2022)	Processes and landforms : Glaciers.
16	week 16 (May 2022)	Revision
17	week 17	

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

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 (Feb.2022)	Introduction to Topographical Sheets India and adjacent countries
2	week 2 (Feb.2022)	Degree Sheet, Half Degree Sheet, Quarter Degree Sheet Exercises
3	week 3 (Feb.2022)	Conventional Signs - Exercises 1
4	week 4 (Feb.2022)	Methods of representing relief
5	week 5 (March 2022)	Slopes (Concave, convex, undulating and terraced) - Exercises 1
6	week 6 (March 2022)	Valleys (V Shaped, U shaped, Gorge, Re-entrant) - Exercises 1
7	week 7 (March 2022)	Ridges (Conical hill, Volcanic hill, Plateau, Escarpment) - Exercises 2
8	week 8 (March 2022)	Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast) - Exercises 2
9	week 9 (April 2022)	Drawing of Profiles
10	week 10 (April 2022)	Cross Profiles: Serial- Exercises 1
11	week 11 (April 2022)	Superimposed Profile- Exercises 1
12	week 12 (April 2022)	Projected Profile, composite profiles. - Exercises 2
13	week 13 (May 2022)	Longitudinal profiles. - Exercises 1
14	week 14(May 2022)	Chain and Tape Survey- Exercises 1
15	week 15 (May 2022)	Chain and Tape Survey- Exercises 1
16	week 16 (May 2022)	Revision
17	week 17	

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

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 (Feb.2022)	Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography.
2	week 2 (Feb.2022)	Division of Mankind: Spatial distribution of race of India; concept of men-environment relation: A historical approach.
3	week 3 (Feb.2022)	Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman
4	week 4 (Feb.2022)	Human adaptation to the environment(iii) Plateau – Gonds (iv) Mountains – Gujjars
5	week 5 (March 2022)	Meaning, nature and components of resources; Classification of resources – renewal and non- renewable.
6	week 6 (March 2022)	Classification of resources :Biotic and aboitic, recyclable and non recyclable.
7	week 7 (March 2022)	Distribution and density of world population, population growth.
8	week 8 (March 2022)	Demographic Transition Model.
9	week 9 (April 2022)	Concept of over, under and optimum population; Population theories: Malthus. Population theories: Ricardo and Marx.
10	week 10 (April 2022)	Rural settlements: Meaning, classification and types.
11	week 11 (April 2022)	Urban settlements: Origin, classification and functions of towns.
12	week 12 (April 2022)	Problems of urbanization in India.
13	week 13 (May 2022)	Population pressure, resource use and environment degradation; sustainable development,
14	week 14(May 2022)	Concept of deforestation, soil erosion,
15	week 15 (May 2022)	Air and water pollution.
16	week 16 (May 2022)	Revision
17	week 17	

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

Name of Assistant Professor Subhash Chander

Department Geography

Class : B.A Sem. : 4th (Practical)

Subject : GEOG(P) 204 : Map Projections

Sr. No.	Week	Name of Topic
1	week 1 (Feb.2022)	Introduction to Map Projection: Meaning, Classification and importance Characteristics of latitudes and longitudes lines.
2	week 2 (Feb.2022)	Cylindrical projections : Characteristics applications and drawing; Simple cylindrical projection
3	week 3 (Feb.2022)	Cylindrical equal area projection.
4	week 4 (Feb.2022)	True shape or orthomorphic or Mercator's Projection.
5	week 5 (March 2022)	Conical Projections: Simple conical projections with one standard parallel
6	week 6 (March 2022)	Simple conical projection with two standard parallel
7	week 7 (March 2022)	Bonne's Projection
8	week 8 (March 2022)	Polyconic projection.
9	week 9 (April 2022)	International Map Projection.
10	week 10 (April 2022)	Zenithal Projections: Polar Zenithal Equidistant Projection
11	week 11 (April 2022)	Polar Zenithal Equal Area Projection, Polar Zenithal Gnomonic Projection
12	week 12 (April 2022)	Polar Zenithal Stereographic Projection, Polar Zenithal Orthographic Projection
13	week 13 (May 2022)	Sinosoidal Projections. Mollweide Projections
14	week 14(May 2022)	Plane Table Survey.
15	week 15 (May 2022)	Plane Table Survey.
16	week 16 (May 2022)	Revision
17	week 17	

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

Name of Assistant Professor Neelam

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 (Feb.2022)	Introduction to Aerial Photographs: their advantages and types.
2	week 2 (Feb.2022)	Elements of aerial Photo interpretation.
3	week 3 (Feb.2022)	Basic of Remote Sensing (Electromagnetic Spectrum)
4	week 4 (Feb.2022)	Remote Sensing :Sensors and Platform, Resolution and Types)
5	week 5 (March 2022)	Development of Remote Sensing Technology; Types of Imageries
6	week 6 (March 2022)	Remote Sensing Technology :use in Natural resources management India
7	week 7 (March 2022)	Introduction to Geographical Information System: Definition, purpose.
8	week 8 (March 2022)	Geographical Information System: Advantages and software and hardware requirements.
9	week 9 (April 2022)	Application of GIS in various fields of geography.
10	week 10 (April 2022)	Measure of Central Tendency: Mean,
11	week 11 (April 2022)	Central Tendency :Median and Mode
12	week 12 (April 2022)	Measure of Dispersion: Range, Quartile deviation
13	week 13 (May 2022)	Mean deviation, Standard deviation
14	week 14(May 2022)	Coefficient of variation.
15	week 15 (May 2022)	Revision
16	week 16 (May 2022)	Revision
17	week 17	

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22

Name of assistant professor Neelam

Department Geography

Class : B.A Sem. : 6th (Practical)

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

Sr. No.	Week	Name of Topic
1	week 1 (Feb.2022)	Demarcation of Principal Point, Conjugate Principal point ANDFlight line on Aerial Photographs
2	week 2 (Feb.2022)	Demarcation of Principal Point, Conjugate Principal point– 1 Exercise
3	week 3 (Feb.2022)	Flight line on Aerial Photographs – 1 Exercise
4	week 4 (Feb.2022)	Determination of Scale of Aerial Photographs
5	week 5 (March 2022)	Determination of Scale of Aerial Photographs – 1 Exercise.
6	week 6 (March 2022)	Interpretation of Single Vertical Photographs
7	week 7 (March 2022)	Interpretation of Single Vertical Photographs – 1 Exercise
8	week 8 (March 2022)	Use of Stereoscope and Identification of Features
9	week 9 (April 2022)	Use of Stereoscope and Identification of Features – 1 Exercise.
10	week 10 (April 2022)	Identification of Features on IRSID, LISS III imagery
11	week 11 (April 2022)	Identification of Features on IRSID, LISS III imagery (Mark copy of FCC) -1 Exercise.
12	week 12 (April 2022)	Socio-economic Survey and Report Writing
13	week 13 (May 2022)	Socio-economic Survey and Report Writing
14	week 14(May 2022)	Field Survey Report
15	week 15 (May 2022)	Field Survey Report
16	week 16 (May 2022)	Revision
17	week 17	

Sign. of Assistant Prof.

Government College Balsamand (Hisar)

Lesson plan. session:- 2021-22 Name of assistant professor Neelam & Subhash Chander
Department Geography Class : B.A Sem. : 2nd
Subject : Environment Studies
Teacher's Name - Meenakshi

Sr. No.	Week	Name of Topic
1	week 1 (Feb.2022)	पर्यावरण अध्ययन का बहुविषक स्वरूप, परिभाषा, कार्यक्षेत्र एवं महत्व
2	week 2 (Feb.2022)	प्राकृतिक संसाधन
3	week 3 (Feb.2022)	प्राकृतिक संसाधनों का संरक्षण
4	week 4 (Feb.2022)	पारिस्थितिकी तंत्र की अवधारणा, रचना एवं कार्य, ऊर्जा गतिकी एवं प्रकार
5	week 5 (March 2022)	पारिस्थितिकी तंत्र में खाद्य प्रणालिया, खाद्य जाल तथा पारिस्थितिकी पिरामिड
6	week 6 (March 2022)	जैव विविधता भूमिका, परिभाषा, प्रकार, भारत का जैव भौगोलिक वर्गीकरण
7	week 7 (March 2022)	जैव विविधता का महत्व एवं संरक्षण
8	week 8 (March 2022)	पर्यावरण प्रदूषण परिभाषा, कारण, प्रभाव एवं नियंत्रण के तरीके
9	week 9 (April 2022)	प्राकृतिक आपदाएं, प्रकार, प्रभाव एवं आपदा प्रबंधन
10	week 10 (April 2022)	प्राकृतिक आपदाएं, प्रकार, प्रभाव एवं आपदा प्रबंधन
11	week 11 (April 2022)	सामाजिक समस्याएं/प्रश्न एवं पर्यावरण
12	week 12 (April 2022)	पर्यावरण सुरक्षा विधेयक, पर्यावरण जन चेतना
13	week 13 (May 2022)	मानव जनसंख्या तथा पर्यावरण
14	week 14(May 2022)	क्षेत्र कार्य
15	week 15 (May 2022)	Revision
16	week 16 (May 2022)	Revision
17	week 17	

Meenakshi

Sign. of Assistant Prof.