M.N.S Govt. College Bhiwani Weekly Lesson Plan 2022-23 B.A. 3rd semester PHYSICAL GEOGRAPHY

TEACHER- Dr. V.S.Phogat

September 2022

2nd Week

Nature and scope of geography

3rd Week

Fields of physical geography

4th Week

Geological time scale, rocks, earth movements.

October 2022

1st Week

Earthquake and volcanoes

2nd Week

Weathering and mass movements

3rd Week

Process and landforms of winds and running water

November 2022

1st Week

Landforms of running water, weather and climate

2nd Week

Origin, composition and structure of atmosphere

3rd Week

Monsoon, jet streams, EL-NINO, LA-NINA phenomena. Assignment 1.

4th Week

Configuration of oceans- surface, relief of Pacific, Atlantic and Indian Ocean. Class Test

December 2022

 1^{st} week

Temperature and salinity of oceans

2nd Week

Tides, waves and oceanic currents. Assignment 2nd

3rd Week

Circulation of pacific, Atlantic and Indian Ocean

M.N.S Govt. College Bhiwani Weekly Lesson Plan 2022-23 B.A. 3rd semester PHYSICAL GEOGRAPHY

TEACHER- DR. J.S Duhan

September 2022

2nd Week

Nature and scope of geography

3rd Week

Fields of physical geography

4th Week

Geological time scale, rocks, earth movements.

October 2022

1st Week

Earthquake and volcanoes

2nd Week

Weathering and mass movements

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December 2022

 1^{st} week

Temperature and salinity of oceans

2nd Week

Tides, waves and oceanic currents. Assignment 2nd

3rd Week

Circulation of pacific, Atlantic and Indian Ocean

LESSON PLAN 2022-2023 Ashok Kumar M.N.S. GOVT. COLLEGE, BHIWANI B.A. 5TH SEMESTER, GEOGRAPHY

C 1		B.A. 5TH SEMESTER, GEOGRAPHY
September:-	Week-1	Nature and scope of Economic Geography. Principle of Map design and layout.
	Week-2	Classification of Economic activities. Point, Line and Area Symbols.
	Week-3	Classification of Natural Resources. Lettering and Toponomy.
	Week-4	Conservation and utilization of Natural resources. Mechanics of Map Construction.
October	Week -1	Spatial Distribution of food crops. Distribution of Maps.
	Week-2	Spatial Distribution of Plantation crops. Chorochromatic Maps.
November	Week-3	Spatial Distribution of Commercial crops. Choroshematic Maps.
	Week-1	Classification of Mineral resources. Isopleths maps.
	Week-2	Distribution of Coal, Iron-ore and Crude oil. Choropleths Maps.
December-	Week-3 Week-4	Classification o Industries. Dot maps. Distribution of Industries. Diagrammatic Maps.
	Week-1	Transport, Communication and Trade.
	Week-2	Prismatic Compass survey. Recent Trends in Trade.
	Week-3	Major Modes of Transportation

Lesson Plan M. N. S.Govt. College, Bhiwani Department of Geography, Paper: Geography of India (Theory) Class and Session: B.A. 1st, SEM 1st. Section B (2022-23) Name of the Associate Professor: Dharamvir Jakhar

Date, Week, Month	Chapter and Topic
Week First : Sept.2022	Geographical Location, Physiographic, Structure.
Week Second Sept.2022	Drainage Systems of India
Week Third Sept.2022	Climate : Introduction, Uniformity and Diversity in the Monsoon Climate, Factors Determining the Climate of India, The Nature of Indian Monsoon, The Rhythm of Seasons, Distribution of Rainfall, Variability of Rainfall. Climatic Regions of India, Classification of Kopen &Thriwartha.
Week Fourth Sept.2022	Soils : Introduction and Classification of Soil, Soil Profile, Soil Erosion, Soil conservation.
Week first Sept.2022	Natural Vegetation: Introduction, Type of Forests, Forest cover in India, Forest Conservation and Wild Life.
Week First : Oct.2022	Natural Hazards and Disasters: Introduction, Meaning and Types, Earthquakes, Tropical Cyclones, Floods, Drought, Landslides, Disaster Management
Week Second:Oct.2022	Population : factors & Distribution of Population, Density of Population, Growth of Population, Challenges and Policy in Youth, Urban and Rural Composition.
Week Third: Oct.2022	Migration: Introduction and Types, Streams of Migration,Spatial Variation in Migration ,Causes of Migration,Consequences of Migration, Assignment and Discussion
Week Fourth: Oct.2022	Diwali vacation
Week first Nov 2022	Green Revolution and Problems of Indian Agriculture:
	Introduction, Silent Features of Green Revolution
	Effect of Green Revolution, Demerits of Green Revolution,
	Suggestion Problems of Indian Agriculture
	Chapter 16 Transport and Communication: Meaning and
	Importance
	Road Transport
	Rail Transport
Week Second: NOV 2022	Chapter 14 Mineral and Energy Recourses : Meaning, Definition and Types
	Distribution of Minerals in India, Iron Ore
	Manganese, Mica
	Coal
	Petroleum and Natural Gas
Week Third : NOV 2022	Nuclear Energy Resources, Conservation of Minerals and Energy

	Resources
	Hydro Electricity,
Week Fourth: NOV 2022	Manufacturing Industries: Introduction and Types of Industries
	Factors affecting Location of Industries
	Iron and Steel Industries
	Cotton Textiles Industry
	Sugar Industry
Week first : Dec 2022	Transportation :
	Road Transport
	Rail Transport
Week SECOND: Dec 2022	revision
	revision
Week Third : Dec 2022	revision
	revision

Lesson Plan Govt. P.G. College, Bhiwani Department of Geography, Paper: Geography of India (Theory) Class and Session: B.A. 1th SEM, (2022-23) (from Sept. 2022 to December 2022) Name of the Assistant /Associate Professor: Mr.Monu Kumar

Sept. Week 1st

Geographical Location, Physiography, Structure.

Sept. Week 2nd

Drainage Systems of India.

Sept. Week 3rd

Climate: Introduction, Uniformity and Diversity in the Monsoon Climate, Factors Determining the Climate of India, The Nature of Indian Monsoon, The Rhythm of Seasons, Distribution of Rainfall, Variability of Rainfall. Climatic Regions of India, Classification of Kopen&Thriwartha.

Sept. Week 4th

Soils: Introduction and Classification of Soil, Soil Profile, Soil Erosion, Soil conservation.

Oct. Week 1th

Natural Vegetation: Introduction, Type of Forests, Forest cover in India, Forest Conservation and Wild Life.

Oct. Week 2nd

Natural Hazards and Disasters: Introduction, Meaning and Types, Earthquakes, Tropical Cyclones, Floods, Drought, Landslides, Disaster Management.

Oct. Week 3th

Population: factors & Distribution of Population, Density of Population, Growth of Population, Challenges and Policy in Youth, Urban and Rural Composition.

Oct. Week 4th

DiwaliVacation.

Nov Week 1st

Migration: Introduction and Types, Streams of Migration, Spatial Variation in Migration ,Causes of Migration, Consequences of Migration, Assignment and Discussion,

Lesson Plan Govt. P.G. College, Bhiwani Department of Geography, Paper: Geography of India (Theory) Class and Session: B.A. 1th SEM, (2022-23) (from Sept. 2022 to November 2022) Name of the Assistant /Associate Professor: Mr.Monu Kumar

Nov. Week 2nd

Human Settlement and Levels of Urbanisation: Introduction Rural Settlement.Urban Settlement. Growth of Towns in India, Urbanisation in India, Classification of Towns, Discussion**Land Resources and Cropping Pattern**: Introduction, Land Use & pattern, Land Use Change in India.

Nov. Week 3rd

Agricultural Land Resources and Intensity of Cropping, Cropping Season in India, Types of Farming ,Crops: Rice and Wheat, Crops: Cotton and Sugarcane, Crops: Tea.

Nov. Week 4th

Green Revolution and Problems of Indian Agriculture: Introduction, Silent Features of Green Revolution

Effect of Green Revolution, Demerits of Green Revolution, Suggestion, Problems of Indian Agriculture, Test

Mineral and Energy Recourses: Meaning, Definition and Types.Distribution of Minerals in India, Iron Ore, Manganese, Mica Coal, Petroleum and Natural Gas, Petroleum and Natural Gas Nuclear Energy Resources.

Dece.1st

Manufacturing Industries: Introduction and Types of Industries & Factors affecting Location of Industries Iron and Steel Industries, Cotton Textiles Industry, Sugar Industry, petro-chemical industries & Industrial Regions in India.

Dece.2nd

Transport and Communication: Meaning and Importance, Land Transport, Rail Transport, Air Transport, Water Transport. Oil and Gas Pipeline, Communication Network.

Dece.3rd

International Trade: Introduction, Composition of India Import and Export, Direction of India Foreign Trade, Sea Ports as Gateways of International Trade, Air Ports, Rail Transport, Air Transport, Water Transport.

Lesson Plan Govt. P.G. College, Bhiwani Department of Geography, Paper: GEO 105 Cartography and Morphometric Analysis (Theory) Class and Session: M.Sc (Geography) 1st Sem. (2022-23) (from Sept. 2022 to December 2022) Name of the Assistant /Associate Professor: Mr.Monu Kumar

Sept. Week 4st

Nature and scope of Cartography, Historical evolution, Development and Recent advancements in cartography.

Oct. Week 1th

Types and characteristics of distribution maps: (i) Chorochromatic (ii) Choroschematic (iii) Isopleth (iv) Choropleth (v) Dot and (vi)Diagrammatic.

Oct. Week 2nd

Types and characteristics of statistical diagrams: (i) One dimensional (bar, line), (ii) Two dimensional (circular, rectangular, square).

Oct. Week 3th

Three dimensional (block, sphere, cube) and (iv) Other diagrams (Snail, pyramid, flow diagram/cartogram). Characteristics of graph/diagrams/maps representing climatic data: (i) Rainfall deviation.

Oct. Week 4th

Diwali Vacation.

Nov Week 1st

Climograph (Taylor and Foster), (iii) Hythergraph, (iv) Star/Wind rose diagram (v) Isopleths (vi) Line and bar (vii)polygraph.

Lesson Plan Govt. P.G. College, Bhiwani Department of Geography, Paper: GEO 105 Cartography and Morphometric Analysis (Theory) Class and Session:M.Sc (Geography) 1st Sem. (2022-23) (from Sept. 2022 to November 2022) Name of the Assistant /Associate Professor: Mr.Monu Kumar

Nov. Week 2nd

Arrangement, identification and interpretation of topographical sheets of India.

Nov. Week 3rd

Delineation of drainage basin and its geographical significance.

Nov. Week 4th

Profile: Transverse and longitudinal.

Dece.1st

Relief aspect of drainage basin: (i) area-height curve, , (ii) Altimetric frequency curve, (iii) Hypsographic curve.

Dece.2nd

(iv) Hypsometric integral curve and (v) Clinographic curve.

Dece.3rd

Development of slope and various methods of its analysis (Wentworth and Smith's method).

Lesson Plan Govt. P.G. College, Bhiwani Department of Geography, Paper:GEO 107 Morphometric Analysis (Practical) Class and Session: M.Sc (Geography) 1st Sem. (2022-23) (from Sept. 2022 to December 2022) Name of the Assistant /Associate Professor: Mr.Monu Kumar

Sept. Week 4st

Interpretation of toposheets: (a) Physical features and (b) Cultural features (2).

Oct. Week 1th

Delineation of Watershed (All the exercises of morphometric shall be based on delineated watershed).

Oct. Week 2nd

Profile Analysis: Transverse and Longitudinal a. Serial Profiles (1) b. Superimposed Profiles (1) c. Composite Profiles (1) d. Projected Profiles (1) e. Longitudinal or valley Thalweg Profile (1).

Oct. Week 3th

Linear Aspects of streams: a. Relationship between stream order and stream Number (1) b. Relationship between stream order and Average stream length (1) c. Bifurcation ration (1).

Oct. Week 4th

Diwali Vacation.

Nov Week 1st

Areal Aspects of streams: a. Drainage Frequency (1) b. Drainage Density (1).

Lesson Plan Govt. P.G. College, Bhiwani Department of Geography, Paper: GEO 107 Morphometric Analysis (Practical) Class and Session:M.Sc (Geography) 1st Sem. (2022-23) (from Sept. 2022 to November 2022) Name of the Assistant /Associate Professor: Mr.Monu Kumar

Nov. Week 2nd

Relief & Slope Aspect a) Area Height Curve (1) b) Altimetric frequency curve (1)

Nov. Week 3rd

Hypsographic Curve (d) Hypsometric Integral Curve

Nov. Week 4th

Drainage network analysis: Linear and areal properties; Relationship between stream order, number and length.

Dece.1st

Relief aspect of drainage basin: (i) area-height curve, , (ii) Altimetric frequency curve, (iii) Hypsographic curve.

Dece.2nd

(iv) Hypsometric integral curve and (v) Clinographic curve.

Dece.3rd

Development of slope and various methods of its analysis (Wentworth and Smith's method).

Lession Plan M.N.S.Govt. College, Bhiwani Department of Geography,

Paper: 20 GEO 108 Academic and Research Communicative

Class M.Sc. Geography Semester I

Name of the AssistantProfessor:Mr. Amarjeet

Date, Week, Month	Chapter and Topic
Week Fourth Sept.2022	Academic and Research Communicative: Concept, Definition & Importance; Foundations of Research: Meaning, Objectives, Motivation, Utility. Concept of theory, empiricism, deductive and inductive theory.
Week first Oct 2022	Characteristics of scientific method – Understanding the language of research – Concept, Construct, Definition, Variable.
Week Second:Oct.2022	Research Process Current Trends in Research: Inter disciplinary research; Criteria of good research, Preparing for interviews, CV/ Biodata, Group Discussion, Public Speaking, Mass Communication.
Week Third: Oct.2022	Effective Research Communication and its Importance; Type of Academic Events: Workshop, Seminar, Conference & Symposium, Webinar etc.;
Week Fourth: Oct.2022	Diwali vacation
Week first Nov 2022	Research Presentation: Planning, Structure Presentation (Understanding of the topic and the audience etc.);
Week Second: NOV 2022	Methods of Effective Communication and Presentation; Research ethics: definition and importance; Conflicts of Interest; Moral and social values; Ethical Principles and Codes.
Week Third: Nov.2022	Research Paper: structure, format and layouts; Project Report/Dissertation and Thesis: Structure and Components and Layout;
Week Fourth: Nov.2022	Literature Review & its importance in Research, Citation, Reference & Bibliography, Proof Readings: meaning and importance; Interpretation of Data and Paper Writing - Layout of a Research Paper, Journals in Geography, Impact factor of Journals, Cross-referencing, H-index, i10 Index, G-Index; Publication Identifiers: ISBN, ISSN & DOI, UGC CARE List.,
Week first Dec. 2022	Use of ICT tools/techniques for Research: Research Database: Scopus, Web of Science, PubMed, IEEE Xplore, ScienceDirect, ResearchGate, GoogleScholar etc;
Week first Dec. 2022	Reference Management Software like Zotero/Mendeley, Software for paper formatting like LaTeX/MS Office, Software for detection of Plagiarism: Turnitin.
Week Second: Dec 2022	revision revision revision revision

Lesson Plan M.N.S.Govt. College, Bhiwani Department of Geography,

Paper: 20 GEO 108 Academic and Research Communicative

Class M.Sc. Geography Semester I

Name of the AssistantProfessor:Mr. Amarjeet

Date, Week, Month	Chapter and Topic
Week Fourth Sept.2022	Academic and Research Communicative: Concept, Definition & Importance; Foundations of Research: Meaning, Objectives, Motivation, Utility. Concept of theory, empiricism, deductive and inductive theory.
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Week Third: Nov.2022	Research Paper: structure, format and layouts; Project Report/Dissertation and Thesis: Structure and Components and Layout;
Week Fourth: Nov.2022	Literature Review & its importance in Research, Citation, Reference & Bibliography, Proof Readings: meaning and importance; Interpretation of Data and Paper Writing - Layout of a Research Paper, Journals in Geography, Impact factor of Journals, Cross- referencing, H-index, i10 Index, G-Index; Publication Identifiers: ISBN, ISSN & DOI, UGC CARE List.,
Week first Dec. 2022	Use of ICT tools/techniques for Research: Research Database: Scopus, Web of Science, PubMed, IEEE Xplore, ScienceDirect, ResearchGate, GoogleScholar etc;
Week first Dec. 2022	Reference Management Software like Zotero/Mendeley, Software for paper formatting like LaTeX/MS Office, Software for detection of Plagiarism: Turnitin.
Week Second: Dec 2022	revision
	revision
	revision
	revision

M.N.S Govt. College Bhiwani WEEKLY LESSON PLAN 2022-23 B.A. 3rd semester PHYSICAL GEOGRAPHY

TEACHER- Mrs. Khushbu

September 2022

3rd Week

Fields of physical geography

4th Week

Geological time scale, rocks, earth movements.

October 2022

 1^{st} Week

Earthquake and volcanoes

2nd Week

Weathering and mass movements

3rd Week

Process and landforms of winds and running water

November 2022

1^{st} Week

Landforms of running water, weather and climate

2nd Week

Origin, composition and structure of atmosphere

3rd Week

Monsoon, jet streams, EL-NINO, LA-NINA phenomena. Assignment 1.

4th Week

Configuration of oceans- surface, relief of Pacific, Atlantic and Indian ocean. Class Test

DECEMBER 2022

1st week

Temperature and salinity of oceans

2nd Week

Tides, waves and oceanic currents. Assignment 2nd

3rd Week

Circulation of pacific, Atlantic and Indian Ocean

M.N.S Govt. College Bhiwani Weekly Lesson Plan 2022-23 M.Sc. Geography (1st Sem.) Paper- Statistical methods in Geography

TEACHER- Dr. V.S. Phogat, Mrs. Khushbu

September 2022

4th Week

Significance of statistics in Geography.

October 2022

1st Week

Tabulation and graphical representation of data Mean, Median and Mode

2nd Week

Partitioned values: Quartiles and Deciles. Comparing Mean, Median and Mode

3rd Week

Measures of Dispersion: Absolute measure, Range, Quartile deviation, Relative measures of Dispersion, co-efficient of variation, Measures of Inequality, Location Quotient and Lorenz Curve.

November 2022

1st Week

Bivariate Analysis: Scatter diagram, Correlation analysis, Spearman's Rank Correlation and Karl Pearson's Correlation Co-efficient

2nd Week

Test of significance: Chi-square test, Student's T-test, F-test.

3rd Week

Simple linear regression model: regression equations, Construction of Regression line. Assignment 1

4th Week

X-square test, student's T-test, F-test.Class test

December 2022

 1^{st} Week

Computation of residual and mapping, Basis of Multivariate analysis: Correlation matrix, Partial and multiple Correlation.

2nd Week

Measures of composite indices: Scale Biasness weightage, Z score and Principle component Analysis. Assignment 2nd

3rd Week

Revision

Lesson Plan

Govt. P.G. College, Bhiwani

Department of Geography,

Paper: Geography of India (Theory)

Class and Session: B.A. 1th SEM, (2022-23)

(from Sept. 2022 to December 2022)

Name of the Assistant /Associate Professor: Ms. Sanchit

Sept. Week 1st

Geographical Location, Physiography, Structure.

Sept. Week 2nd

Drainage Systems of India.

Sept. Week 3rd

Climate: Introduction, Uniformity and Diversity in the Monsoon Climate, Factors Determining the Climate of India, The Nature of Indian Monsoon, The Rhythm of Seasons, Distribution of Rainfall, Variability of Rainfall. Climatic Regions of India, Classification of Kopen & Thriwartha.

Sept. Week 4th

Soils: Introduction and Classification of Soil, Soil Profile, Soil Erosion, Soil conservation.

Oct. Week 1th

Natural Vegetation: Introduction, Type of Forests, Forest cover in India, Forest Conservation and Wild Life.

Oct. Week 2nd

Natural Hazards and Disasters: Introduction, Meaning and Types, Earthquakes, Tropical Cyclones, Floods, Drought, Landslides, Disaster Management.

Oct. Week 3th

Population: factors & Distribution of Population, Density of Population, Growth of Population, Challenges and Policy in Youth, Urban and Rural Composition.

Oct. Week 4th

Diwali Vacation.

Nov Week 1st

Migration: Introduction and Types, Streams of Migration, Spatial Variation in Migration, Causes of Migration, Consequences of Migration, Assignment and Discussion,

Lesson Plan

Govt. P.G. College, Bhiwani

Department of Geography,

Paper: Geography of India (Theory)

Class and Session: B.A. 1th SEM, (2022-23)

(from Sept. 2022 to November 2022)

Name of the Assistant /Associate Professor: Ms. Sanchit

Nov. Week 2nd

Human Settlement and Levels of Urbanisation: Introduction Rural Settlement.Urban Settlement. Growth of Towns in India, Urbanisation in India, Classification of Towns, Discussion Land Resources and Cropping Pattern: Introduction, Land Use & pattern, Land Use Change in India.

Nov. Week 3rd

Agricultural Land Resources and Intensity of Cropping, Cropping Season in India, Types of Farming ,Crops: Rice and Wheat, Crops: Cotton and Sugarcane, Crops: Tea.

Nov. Week 4th

Green Revolution and Problems of Indian Agriculture: Introduction, Silent Features of Green Revolution

Effect of Green Revolution, Demerits of Green Revolution, Suggestion, Problems of Indian Agriculture ,Test

Mineral and Energy Recourses: Meaning, Definition and Types.Distribution of Minerals in India, Iron Ore, Manganese, Mica Coal, Petroleum and Natural Gas, Petroleum and Natural Gas Nuclear Energy Resources.

Dece.1st

Manufacturing Industries: Introduction and Types of Industries & Factors affecting Location of Industries Iron and Steel Industries, Cotton Textiles Industry, Sugar Industry, petro-chemical industries & Industrial Regions in India.

Transport and Communication: Meaning and Importance, Land Transport, Rail Transport, Air Transport, Water Transport. Oil and Gas Pipeline, Communication Network.

Dece.3rd

International Trade: Introduction, Composition of India Import and Export, Direction of India Foreign Trade, Sea Ports as Gateways of International Trade, Air Ports, Rail Transport, Air Transport, Water Transport.