


Govt. College, Bissar Akbarpur (Nuh)

Lesson Plan (GEOGRAPHY)

Name of Assistant Professor		Sh. Manish Kumar
Class		B.A (2 <sup>nd</sup> Semester)
Name of Paper		Physical Geography-1
Session		2021-2022
Semester		Even Semester
Month	Week	Topics
April -2022	1 <sup>st</sup>	<b>Physical Geography:</b> Definition , Nature and scope of Physical Geography, relation of Geography with other branches of science, place of Geomorphology in physical geography, Development of Geomorphology, importance of Physical Geography
	2 <sup>nd</sup>	<b>Interior Structure of the earth :</b> source of knowing interior of earth,
	3 <sup>rd</sup>	<b>Geological Time Scale:</b> meaning, purpose, importance and time spans <b>Rocks :</b> meaning, definition, classification of rocks, rock cycle
	4 <sup>th</sup>	<b>Earth Movements;</b> organic , eperogenic ,,composition of folds. Fault, types of Faults , <b>Earthquakes :</b> origin of earthquakes and waves, causes of earthquakes ,effect of earthquakes <b>Volcanoes:</b> causes, types, volcanic land Forms and distribution of Volcanoes Assignment and class test
May- 2022	1 <sup>st</sup>	<b>Theory of Isostasy,:</b> proposition of Theory( views of J.H.Pratt, Airy ,s , Hayford and Bowie, Joly's and Arthur Holmes) <b>Wagner's theory of continental drift :</b> Proofs in Favour and Criticism <b>Plate Tectonic theory:</b> Meaning, Origin and Evolution plate Boundaries and Margins,Causesof plate Motion, significances , criticism, Evidences of plate tectonics
	2 <sup>nd</sup>	<b>Weathering :</b> causes and its type , Factors affecting and importance <b>Mass Movements:</b> Meaning, Definition , causes its types and impacts
	3 <sup>rd</sup>	<b>Concepts of cycle of erosion:</b> Meaning, Definition, Factors controlling of Devisian Cycle cycle erosion, Assumption ,Appraisal ,Rejuvenation : types, causes, Land forms produced by Rejuvenation
	4 <sup>th</sup>	<b>Process and Landform of wind:</b> Meaning and area of Operation, Work of Wind, Landforms produced by wind Assignment and class test
June -2022	1 <sup>st</sup>	<b>Process and Landform of River :</b> River – Meaning, Birth and Journey, The work of River, Landforms produced by River ,
	2 <sup>nd</sup>	<b>Process and Landform of underground water:</b> Meaning, Definition and source, work of Underground water,
	3 <sup>rd</sup>	<b>Process and Landform of Glaciers:</b> Meaning ,origin and movement, Types of Glaciers, work of Glacier,
	4 <sup>th</sup>	<b>Process and Landform of sea- waves:</b> Meaning ,origin and movement, Types of Sea Waves, Landforms produced by Sea Waves Assignment and class test

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<b>Name of Assistant Professor</b>		<b>Sh. Manish Kumar</b>
Class		B.A (2 <sup>nd</sup> Semester)
Name of Paper		Representation of Physical Features (Practical)
Session		2021-2022
Semester		Even Semester
<b>Month</b>	<b>Week</b>	<b>Topics</b>
April -2022	1 <sup>st</sup>	Introduction to topographical sheets.
	2 <sup>nd</sup>	Degree sheets, half degree sheet
	3 <sup>rd</sup>	Quarter degree sheet, Conventional signs.
	4 <sup>th</sup>	Methods of representation relief.
May- 2022	1 <sup>st</sup>	Representation of topographical features by contours
	2 <sup>nd</sup>	Slopes- (Concave, Convex, undulating, terraced.)
	3 <sup>rd</sup>	Valleys- (V Shaped, U Shaped, Gorge, Re-entrant.)
	4 <sup>th</sup>	Ridges- (Conical hill, plateau, Escarpment.)
June -2022	1 <sup>st</sup>	Waterfall, overhanging cliff, fiord cost.
	2 <sup>nd</sup>	Profiles:- serial, superimposed, Projected and composite.
	3 <sup>rd</sup>	Longitudinal profiles.
	4 <sup>th</sup>	<u>Chain and tape survey.</u>



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<b>Name of Assistant Professor</b>		<b>Sh. Manish Kumar</b>
<b>Class</b>		B.A (4 <sup>TH</sup> Semester)
<b>Name of Paper</b>		Human Geography
<b>Session</b>		2021-2022
<b>Semester</b>		Even Semester
<b>Month</b>	<b>Week</b>	<b>Topics</b>
April -2022	1 <sup>st</sup>	Nature and scope of human geography.
	2 <sup>nd</sup>	Human races and tribes in India.
	3 <sup>rd</sup>	The concept of man and environment relationship. Human Adaptation to the environment.
	4 <sup>th</sup>	Resources: Meaning and Natures and components.
May- 2022	1 <sup>st</sup>	Classification of Resources.
	2 <sup>nd</sup>	Distribution of Biotic and Abiotic Resources.
	3 <sup>rd</sup>	Conservation of Resources.
	4 <sup>th</sup>	Population Distribution in World. Concepts of Population.
June -2022	1 <sup>st</sup>	Theories of Populations.
	2 <sup>nd</sup>	Rural Settlements.
	3 <sup>rd</sup>	Towns: Origin, Growth, Classification and Functions.
	4 <sup>th</sup>	Population Pressures, Environmental Degradation and Sustainable Development.



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<b>Name of Assistant Professor</b>		<b>Sh. Manish Kumar</b>
<b>Class</b>		B.A (4 <sup>TH</sup> Semester)
<b>Name of Paper</b>		Map Projection and Surveys. (Practical)
<b>Session</b>		2021-2022
<b>Semester</b>		Even Semester
<b>Month</b>	<b>Week</b>	<b>Topics</b>
April -2022	1 <sup>st</sup>	Introduction to map Projections: Principles, classification and importance.
	2 <sup>nd</sup>	Simple cylindrical projection, cylindrical equal area projection
	3 <sup>rd</sup>	Orthomorphic or Mercator Projection.
	4 <sup>th</sup>	Simple Conical Projections with one Standard parallel or two standard parallel.
May- 2022	1 <sup>st</sup>	Bonnes Projection.
	2 <sup>nd</sup>	Polycanic Projection.
	3 <sup>rd</sup>	Zenithal Projections: Equidistant Projection, Equal Area Projection
	4 <sup>th</sup>	Zenithal Projections: Gnomonic Projection, Orthographic Projection
June -2022	1 <sup>st</sup>	Sinusoidal Projection
	2 <sup>nd</sup>	Mollweide Projection
	3 <sup>rd</sup>	Plane Table Survey.
	4 <sup>th</sup>	Plane Table Survey.



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Lesson Plan *GEOGRAPHY*

Name of Assistant Professor		Sh. Manish Kumar
Class		B.A (6 <sup>TH</sup> Semester)
Name of Paper		Introduction to Remote Sensing, GIS and Quantitative Methods
Session		2021-2022
Semester		Even Semester
Month	Week	Topics
April -2022	1 <sup>st</sup>	Introduction to Aerial Photographs, Meaning, history of aerial photography, development of aerial photography in india
	2 <sup>nd</sup>	Application of aerial Photos, Advantage of Aerial Photographs , types of aerial photo, Methods of aerial photography
	3 <sup>rd</sup>	Elements of Aerial Photo Interpretation: image interpretation factors affecting quality of an image and interpretation of aerial photographs, elements of image interpretation
	4 <sup>th</sup>	Introduction to Remote sensing, Electromagnetic spectrum , Stages in Remote sensing ,Sensors, types of Resolution in remote sensing Assignment and class test
May- 2022	1 <sup>st</sup>	Type of remote sensing, Satellite orbits: geostationary and polar , Interpretation of physical and culture features, Development of remote sensing remote sensing in india ,
	2 <sup>nd</sup>	Introduction and definition ,Types of images, Merits and demerits of images, classification of image, Application of imageries, remote sensing in various field such as agriculture, environment and resource mapping.
	3 <sup>rd</sup>	Introduction to Geographical Information System, Definition, data base in GIS, source of data , Types of data, sequence of activities of GIS, purpose, advantages and software and hardware requirement , planning and G.I.S. Elements of G.I.S.
	4 <sup>th</sup>	Application of GIS in various fields of geography , technological development and G.I.S., Assignment and class test
June -2022	1 <sup>st</sup>	Meaning and definitions of Statistics, importance, calcution of data, classification of data,tabulation of statistical data ,statistical series Measure of Central Tendency: Mean, Median and Mode
	2 <sup>nd</sup>	Measure of Dispersion : Calculation of Range and Quartile deviation
	3 <sup>rd</sup>	Meaning and definition ,Standard deviation and Mean deviation and calculation
	4 <sup>th</sup>	Coefficient of variation meaning , importance,and calculation Assignment and class test

  
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Lesson Plan *GEOGRAPHY*

Name of Assistant Professor		Sh. Manish Kumar
Class		B.A (6 <sup>TH</sup> Semester) Practical
Name of Paper		Introduction to Remote Sensing and field survey report.
Session		2021-2022
Semester		Even Semester
Month	Week	Topics
April -2022	1 <sup>st</sup>	Demarcation of principal point.
	2 <sup>nd</sup>	Demarcation of Conjugate principal point.
	3 <sup>rd</sup>	Demarcation of Flight Line.
	4 <sup>th</sup>	Determination of Scale of Aerial Photograph.
May- 2022	1 <sup>st</sup>	Interpretation of Single vertical photograph.
	2 <sup>nd</sup>	Use of Stereoscope and identification of features.
	3 <sup>rd</sup>	Identification of features on IRSID.
	4 <sup>th</sup>	Identification of features on LISS III imagery.
June -2022	1 <sup>st</sup>	Socio-Economic Field Survey and Report Writing.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	

  
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