

## REMOTE SENSING AND GIS

<b>January</b>	
Week 3	Unit-I 1. Introduction to aerial photographs: their types and advantages
Week 4	Elements of aerial photo interpretation
<b>February</b>	
Week 1	Revision and test of unit- 1st
Week 2	Unit-II. Introduction to Remote Sensing; electromagnetic spectrum, stages in remote sensing
Week 3	Week 3 type of remote sensing, satellite orbits- geostationary and near polar
Week 4	Application of remote sensing in various fields such as agriculture, environment and resource mapping
<b>March</b>	
Week 1	Environment and resource mapping. Revision and test of unit- 2nd
Week 2	Unit-III Introduction to Geographical Information System: definition, purpose, components and functions
Week 3	Application of GIS in various fields of geography
Week 4	University Holiday
<b>April</b>	
Week 1	Revision and test of unit 3rd
Week 2	Unit-IV Measures of Central Tendency: Mean, Median and Mode
Week 3	Measure of Dispersion: Range, Quartile deviation and Mean deviation
Week 4	Standard deviation, Coefficient of variation, Revision and test of unit 4th

  
 (KAVI KUMAR)

January	
Week 3	UNIT -I. Nature and scope of human geography; branches of human geography
Week 4	Approaches to the study of human geography
February	
Week 1	Division of mankind: spatial distribution of tribes of India: Santhals
Week 2	Gonds and Bhils. Revision and test of unit- 1st
Week 3	UNIT - II Concept of man- environment relation: A historical approach
Week 4	Human adaptation to the environment (i) cold region Eskimos
March	
Week 1	(ii) Hot Region – Bushman. Revision and test of unit- 2nd
Week 2	UNIT - III Distribution, density and growth of world population
Week 3	Population theories: Malthus and optimum population theory
Week 4	University Holiday
April	
Week 1	Revision and test of unit 3rd
Week 2	UNIT-IV Rural settlements: meaning, classification and types
Week 3	Population pressure, resource use and environment degradation; concept of deforestation, air and water pollution
Week 4	Concept of deforestation, air and water pollution, Revision and test of unit 4th

  
(KAVI KUMAR)

<b>January</b>	
Week 3	UNIT- I . Definition, nature and scope of Physical Geography
Week 4	Interior structure of the earth
<b>February</b>	
Week 1	Geological time scale and rocks
Week 2	UNIT- II Earth movements; orogenic and epeirogenic, Revision and test of unit- 1st
Week 3	Earthquake and volcanoes
Week 4	Theory of Isostasy, Wegner's theory of continental drift
<b>March</b>	
Week 1	Plate tectonic theory. Revision and test of unit- 2nd
Week 2	UNIT- III Weathering: causes and its types
Week 3	Mass-movements: causes, types and impacts
Week 4	University Holiday
<b>April</b>	
Week 1	Revision and test of unit 3rd
Week 2	UNIT- IV Concept of cycle of erosion; cycle of erosion by W.M. Davis
Week 3	Processes and landforms of Wind, River
Week 4	Underground water, Glacier and Sea waves, Revision and test of unit 4th

*(Handwritten signature)*  
(KAVI KUMAR)

July	
Week 4	UNIT- I 1. India: locational setting
August	
Week 1	relief and drainage systems of india
Week 2	Climate of India, climatic regions
Week 3	drainage system of India, soils
Week 4	natural vegetation, natural hazards- drought and flood
September	
Week 1	Population: distribution
Week 2	Population; density and growth
Week 3	Literacy, age & sex composition
Week 4	levels of urbanization, migration pattern in India
October	
Week 1	Distribution and production of major crops; Rice, Wheat, Cotton
Week 2	Distribution and production of major crops. Tea; Irrigation, Green Revolution and problems of Indian Agriculture
Week 3	Industries- iron and steel, cotton textile, sugar
Week 4	Petrochemical industries and industrial regions of India
November	
Week 1	Introduction to physiography and soil degradation
Week 2	Demographic aspects – growth of population, literacy, sex ratio and urbanization
Week 3	Agriculture, Industry and Transport.& revision

*bi*  
(KOR) KUMAR

<b>July</b>	
Week 4	Weather and climate; origin
<b>August</b>	
Week 1	composition and structure of atmosphere
Week 2	Insolation, global heat budget, horizontal and
Week 3	vertical distribution of temperature, inversion of temperature
Week 4	UNIT-II 3. Atmospheric pressure: measurement and distribution
<b>September</b>	
Week 1	pressure belts, planetary, seasonal and local winds
Week 2	Humidity: measurement and variables; evaporation and condensation
Week 3	precipitation: forms, types and distribution; hydrological cycle
Week 4	UNIT-III 5. Air masses: concept and classification
<b>October</b>	
Week 1	fronts: type and characteristics
Week 2	Weather disturbances: tropical and extratropical cyclones
Week 3	Configuration of oceanic floor and bottom relief of Pacific
Week 4	Atlantic oceans; temperature of oceans
<b>November</b>	
Week 1	Oceanic currents; circulation in Pacific
Week 2	Atlantic and Indian Oceans; Oceanic resources
Week 3	revision

for  
(KAR) KUMAR

BA 5th SEM GEOGRAPHY (ECONOMIC GEOGRAPHY) Session 2023-24 JULY

<b>July</b>	
Week 4	Definition, nature, scope of economic geography;
<b>August</b>	
Week 1	it's relation with economics and other branches of social sciences
Week 2	Classification of economic activities and their impact on the environment
Week 3	test and revision of test 1
Week 4	UNIT- II 3. World natural resources: types, bases and classification
<b>September</b>	
Week 1	Conservation and utilization of natural resources
Week 2	test and revision of unit 2nd
Week 3	UNIT- III 5. Spatial distribution of food (rice and wheat), commercial (cotton and sugarcane)
Week 4	plantation crops (tea, rubber and coffee).
<b>October</b>	
Week 1	Classification of mineral resources (ferrous and non-ferrous); distribution and production of coal, iron ore
Week 2	petroleum and natural gas.
Week 3	test and revision of unit 3rd
Week 4	UNIT- IV Classification of industries; world distribution and production of iron and steel and textile industry,
<b>November</b>	
Week 1	major industrial complexes of the world
Week 2	Transport, communication and trade: geographical factors in their development; major modes of water, land and air transport;
Week 3	recent trends in international trade test unit 4th

*Gen*  
*(RAVI KUMAR)*