

## Lesson plan

Name of assistant / profrrsor: **Dr .Sanjeev Kumar**

Class and Section : **B.A 6 th Sem**

Subject lesson plan: **Geography (Introduction to Remote Sensing GIS & Quantitative Methods )**

Week -1

### **Chapter -5 Geographical Information System**

- G.I.S meaning and definition data Base in G.I.S
- Source of Data in G.I.S Type of Data In G.I.S
- Spatial data Format (merits and Demerits )

Week 2

- Sequence of Activities of G.I.S
- Concept of Space and time in S.I.S ,
- Geo information technical Objectives

Week 3

- Planning G.I.S Elements of G.I.S
- Advantages of G.I.S
- Test

Week 4

- **Chapter 6 Application of Geographical information System**
- Technological Development and G.I.S
- G.I.S and categories of consumers
- Unit test

Week 5

### **Chapter 7 Measures of Central Tendency :Mean ,Median And Mode**

- Types of Continuous Series
- Meaning and Definition of Central tendency
- Types of Statistical Statistics Averages Mathematical or Arithmetic mean /Averages

### Week 6

- Calculation of Arithmetic mean (Direct method Short cut method )
- Step Deviation Method ,merits and demerits Arithmetic mean
- Positional Averages (Median )Calculation of Median

### Week 7

- Steps in Calculation Merits and Demerits of media
- mode –Definition, Calculation of mode
- mean and Median

### Week 8

- Merits of Demerits of mode, ,Relative Evaluation of Mean ,Median and mode
- Inter Relationship Among Mean, Median And mode
- Test

### Week 9

#### Chapter 8 Measures of Dispersion

- Definition of Dispersion ,Various Methods of Measuring Dispersion
- Rang Quartile Deviation
- Individual and Discrete Series ,Merits and demerits of Quartile Deviation

### Week 10

- Mean Deviation Definition (Individual Series
- Discrete Series and ( Continuous Series ) Merit and demerit mane
- Standard Deviation Definition Calculation of Standard Deviation

### Week 11

- Short –cut Method ,
- Step Deviation Method
- Direct and Short cut Method

Week 12

- Step Deviation Method
- Merit and Demerits of Standard Deviation
- Test

Week 13

**Chapter 9 : Coefficient of Variation**

- Coefficient of Variation
- Calculation of coefficient of Variation in Discrete series
- Calculation of coefficient of Variation Continuous Series

Week 14

- Unit Test
- Assignment
- Revision

Week 15

- Revision
- Test
- Revision

## Lesson plan

Name of assistant /Associate professor : **Dr Sanjeev kumar**

Class and Section -**B.A 4th Sem**

Subject lesson Plan: **Human Geography**

Week 1

### **Chapter no 10 – population of the world**

- Distribution of Population ,Factors Population Distribution
- Patters of world Population Distribution, Density of Population
- Word Distribution of Population growth or population change

Week 2

- Determinants of Population change
- Determinants of Fertility , Spatial Pattern of Fertility in the World
- Mortality Deter mints of mortality

Week 3

Chapter

- Spatial pattern of Mortality in the World birth rate Death Rate and Population Change
- Migration, Factors Determining Migration Size Of Population and Growth Trends
- Spatial Pattern of Population Change and Economic Development

Week 4

- Doubling time of Word Population ,
- Stage of Demographic Transition
- Test

Week 5

### **Chapter 11 Concepts of Optimum Population Overpopulation and Under Population**

- Concepts of Optimum Population, overpopulation and Under population (Optimum Population)
- Under population
- Test

Week 6

**Chapter 12 Theories of Population**

- Malthusian theory of population
- Recardo 's Theory of population
- Marx 's Theory of Population

Week 7

**Chapter 13 Rural Settlements**

- Meaning and Definitions of Rural Settlements Types of Rural Settlements merits and demerits of Dispersed Settlements
- Affecting Factors to Location of Rural Settlements
- Patterns of Rural Settlements

Week 8

**Chapter 14 Origin and Growth of Towns**

- Pre –historic towns
- Medieval Towns
- Modern Towns

Week 9

**Chapter 15 Classification and Function of Town**

- Classification of Towns ,Methods of Classification, Contribution of Indian Schalars
- General Pattern of Functional classification of Towns
- Test

Week 10

**Chapter 16 Population pressure resource use and Environmental Degradation**

- Meaning of Population Pressure ,Exploitation of Resources Environmental Degradation
- Process of Environmental Degradation, Degradation , natural environmental (Soil Erosion)
- Landslide, Valcamos and Earth quakes
- Flood , Drought

Week 11

- Desertification , environmental Hazards
- Degradation of environmental Hazards
- Agricultural Grout and Environ mental Degradation Population Explosion and Resources

Week 12

- Population Explosion and Resources ,
- Industrial Development and air Pollution
- Urbanisation and Environmental Degradation

Week 13

- Urbanisation and Water pollution
- Soil Pollution
- Noise Pollution

Week 14

**Chapter Chapter 17 Sustainable Development**

- Now mode of Development ,main Elements of sustainable of Development
- Sustainable Development is a Dynamic Concept Salient features o f Sustainable development
- Objectives of Sustainable Development Solution of Enviro Problems Throught Sustainable Development

Week 15

- Ways to Active Sustainable Development Tradition of Sustai (nable Development In India
- Test
- Revision

## Lesson Plan

Name of assistant /Associate Dr : **Sanjeev Kumar**

Class and Section- **B.A.2 nd sem**

Subject lesson Plan : **Physical Geography**

Week 1

### **Chapter 1 Physical Geography**

- Meaning and Definition and Nature and Scope of Physical Geography
- Relation of Physical Geography other Branches of Science , place of Geomorphology in Physical Geography
- Development of Geomorphology , importance of Physical Geography

Week 2

### **Chapter 2 Constitution of the Earth's Interior**

- Constitution of the Interior ,Sources of Knowledge Earth ,Artificial Sources
- Natural Source , Conclusion of Knowledge from Seismology and Interior of the Earth
- Different Interior Layers and their Chemical composition (Suess Daly Jeffrey's

Week 3

- Hutton and B.Gutenberg and Vander Brecht
- Accepted and Modern view Regarding Constitution of Earths Interior
- Test

Week 4

### **Chapter 3 Geologic time Scale**

- Origin and age of the Earth, Geologic time Scale Meaning Purpose ,importance and Spans Proterozoic Era
- Mesozoic Era
- Cainozoic Era

Week 5

### **Chapter 5 Rocks**

- Meaning and definition Classification of Rocks
- Classification of Igneous Rocks
- Sedimentary Rocks

**Week 6**

- Meta Morphic Rocks
- Rock Cycle
- Unit Test

**Week 7**

**Chapter 5 Earth Movements**

- Earth Movements , Endognetic Forces ,Diastrophism
- Composition of Folds ,Dip and Strike
- Fault ,Types of Fautls ,Topography Produced by fault

**Week 8 Chapter 6**

**Earthquakes and Volcanoes**

- Earthquakes and Volcanoes (meaning and Definition of Earthquake origin of Earthquakes and vaus
- Intensity of Earthquake , Magnitude of Earthquake
- Causes of Earthquake

**Week 9**

- Classification of Earthquakes ,Effect of Earthquakes
- World Distribution of Earthquakes Seismic Zones of india predication of Earthquakes
- Safety Against Earth quakes

**Week 10**

- Volcanoes Meaning and definition cases of volcanic Eruption Materials Ejected From valcanws
- Type of Volcanoes , Volcanic land Forms
- Volcanoes and Humans ,Distribution of volcanoes

**Week 11 Chapter 7 Theory of isostasy**

- Isostasy meaning and definition ,proposition of theory of isostasy
- Views of JH Pratt, Sir Gearg B.airy's views
- Views of hayford and bowie . joly 's View and view of Arthur Holms, Isostatic Adjustment



**Week 12 Chapter 8 theory of continental Drift**

- Background ,Wegener's Theory of Continental drift
- Evidences in Favour of Wegener's theory ,
- latest proofs in fever of continental Drift Theory ,Criticism of Wegener's theory

**Week 13 Plate Tectonics**

- Introduction ,meaning of Tectonics ,
- plate tectonics Theory
- Plate Boundaries and Margins

**Week 14 :- Plate tectonics**

- Causes of Plate Motion
- Significance of Plate tectonic theory , critics of plate tectonic theory
- Evidences of Plate Tecotonics

**Week 15**

- Test
- Assignment
- Rivision