**Name of Assistant Professor: RITU RANI**

**Class : B.A. IIIrd ( 6th  Semester)**

**Subject: GEOGRAPHY**

**Lesson Plan**: 18Weeks (from January 2018 to April 2018)

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| Week 1, **January 1 to January 7**  Chapter 1: Introduction to Aerial Photographs |
| Week 1, Day 1, January 1 General Introduction  Demarcation of Aerial Photographs (Practical) |
| Week 1, Day 2, January 2 History of Aerial Photographs  Fiducial Marks(Practical) |
| Week 1, Day 3, January 3 Advantages of Aerial Photographs  Principal Point (Practical) |
| Week 1, Day 4, January 4 Types of Aerial Photographs  Fudicial Marks(Practical) |
| Week 1, Day 5, January 5 **Holiday** |
| Week 1, Day 6, January 6 Principal Point, Comparison Between Aerial Photographs and Maps  Geometry of Aerial Photographs |
| Week 2, **January 8 to January14**  Chapter : |
| Assignments |
| Week 2, Day 1, January 8 Interpretation of Aerial Photographs  Conjugate of Principle Point(Practical) |
| Week 2, Day 2, January 9 Methods of Aerial Photographs Interpretation  Flight Line (Practical) |
| Week 2, Day 3, January 10 Basis of Aerial Photographs Interpretation  Conjugate Principal Point (Practical) |
| Week 2, Day 4, January 11 Purpose and Use of Aerial Photographs  Flight Line(Practical) |
| Week 2, Day 5, January 12 Class Test of History of Aerial Photographs  Scale of Aerial Photographs(Practical) |
| Week 2, Day 6, January 13 Class Test of Interpretation of Aerial Photographs  Statement of Scale (Practical) |
| Week 3, **January 15 to January 21**  Chapter |
| Assignments |
| Week 3, Day 1, January 15 Written Exercise/ Assignment Related to the Topic Covered Remote Sewing (General Introduction)  R.F. (Practical) |
| Week 3, Day 2, January 16 Fundamentals of Remote Sewing  Linear Scale (Practical) |
| Week 3, Day 3, January 17 Electromagnetic Spectrum and Energy  Representative Fraction (Practical) |
| Week 3, Day 4, January 18 Remote Sewing System  Linear Scale (Practical) |
| Week 3, Day 5, January 19 Concept of Signature  R.F. (Practical) |
| Week 3, Day 6, January 20 Remote Sewing in the Microwave Region  Scale of Aerial Photographs (Practical) |
| Week 4, **January 22 to January 28**  Chapter |
| Assignments |
| Week 4, Day 1, January 22 **Holiday** |
| Week 4, Day 2, January 23 Radar Imagery  Scale of Aerial photographs (Practical) |
| Week 4, Day 3, January 24 Sewing System  Scale of Vertical Aerial Photographs |
| Week 4, Day 4, January 25 Remote Sensors  Fundamentals of Human Stereoscopy (Practical) |
| Week 4, Day 5, January 26 **Holiday** |
| Week 4, Day 6, January 27 Stages of Remote Sewing  Methods of Stereoscope Viewing |
| Week 5, **January 29 to February4**  Chapter |
| Assignments |
| Week 5, Day 1, January 29 Sensors  Uses of Stereoscope in Aerial Photographs(Practical) |
| Week 5, Day2, January 30 Sewing Resolutions  Methods of Stereos(Practical) |
| Week 5, Day 3, January 31 **Holiday** |
| Week 5, Day 4, February 1 Remote Sewing by Satellites |
| Week 5, Day 5, February 2 Milestones in the History of Remote Sewing |
| Week 5, Day 6, February 3 History of Remote Sewing |
| **Week 6, February 5to February 11**  Chapter |
| Assignments |
| Week 6, Day 1, February 5 Chronological Development of Remote Sewing |
| Week 6, Day 2, February 6 Modern Period of Satellite Imagining |
| Week 6, Day 3, February 7 Type of Remote Sewing Satellite |
| Week 6, Day 4, February 8 Land Observation Satellite |
| Week 6, Day 5, February 9 Hypespectal Sensors |
| Week 6, Day 6, February 10 **Holiday** |
| Week 7, **February 12 to February 18**  Chapter |
| Assignments |
| Week 7, Day 1, February 12 Synthetic Aperature Radar Sensors |
| Week 7, Day 2, February 13 **Holiday** |
| Week 7, Day 3, February 14 Imageries and their Application |
| Week 7, Day 4, February 15 Difference Between Aerial Photographs and Satellite Image |
| Week 7, Day 5, February 16 Image Classification |
| Week 7, Day 6, February 17 Image Classification |
| Week 8 **February 19 to February25**  Chapter |
| Assignments |
| Week 8, Day 1, February 19 Land Cover Mapping |
| Week 8, Day 2, February 20 Waste Land |
| Week 8, Day 3, February 21 Agricultural |
| Week 8, Day 4, February 22 Forestory |
| Week 8, Day 5, February 23 Contribution of Remote Sewing in India For Forest |
| Week 8, Day 6, February 24 Hydrology |
| Week 9, **February26 to March4**  Chapter |
| Assignments |
| Week 9, Day 1, February 26 Water Resources |
| Week 9, Day 2, February 27 Flood Mapping |
| Week 9, Day 3, February 28 **Holiday** |
| Week 9, Day 4, March 1 **Holiday** |
| Week 9, Day 5, March 2 **Holiday** |
| Week 9, Day 6, March 3 **Holiday** |
| Week 10, **March 5 to March11**  Chapter |
| Assignments |
| Week 10, Day 1, March 5 Remote Sewing of Wetland India |
| Week 10, Day 2, March 6 Oceans and Coastal Mouitoring |
| Week 10, Day 3, March 7 Mapping |
| Week 10, Day 4, March 8 Geographical Information System |
| Week 10, Day 5, March 9 Definition |
| Week 10, Day 6, March 10 Kinds of GIS |
| Week 11, **March 12 to March 18**  Chapter |
| Assignments |
| Week 11, Day 1, March 12 Components of GIS |
| Week 11, Day 2, March 13 Locational Dates Format |
| Week 11, Day 3, March 14 Locational Dates Format |
| Week 11, Day 4, March 15 Process of GIS |
| Week 11, Day 5, March 16 Spatial Data Input |
| Week 11, Day 6, March 17 Entering the Attributer Data |
| Week 12, **March 19 to March25**  Chapter |
| Assignments |
| Week 12, Day 1, March 19 Data Verification and Editing |
| Week 12, Day 2, March 20 Test of Remote Sewing |
| Week 12, Day 3, March 21 Data Verification and Linkages |
| Week 12, Day 4, March 22 Spatial Analysis |
| Week 12, Day 5, March 23 New Stages of GIS |
| Week 12, Day 6, March 24 Software in GIS |
| Week 13, **March26to April 1**  Chapter |
| Assignments |
| Week 13, Day 1, March 26 Hardware in GIS |
| Week 13, Day 2, March 27 Test of GIS |
| Week 13, Day 3, March 28 Application of GIS |
| Week 13, Day 4, March 29 **Holiday** |
| Week 13, Day 5, March 30 Application of GIS |
| Week 13, Day 6, March 31 Natural Resources(Agricultural) |
| Week 14, **April 2 to April 8**  Chapter |
| Assignments |
| Week 14, Day 1, April 2 Natural Resources(Agricultural) |
| Week 14, Day 2, April 3 Natural Resources (Soil Erosion) |
| Week 14, Day 3, April 4 Historical Geography |
| Week 14, Day 4, April 5 People and GIS |
| Week 14, Day 5, April 6 Case Studies |
| Week 14, Day 6, April 7 Electricity Distribution |
| Week 15, **April 9 to April15**  Chapter |
| Assignments |
| Week15 , Day 1, April 9 Measures of Central Tendency |
| Week 15, Day 2, April 10 Data |
| Week 15, Day 3, April 11 Objects and Functions of Statistical Averages |
| Week 15, Day 4, April 12 Mean and Median |
| Week 15, Day 5, April 13 Mode |
| Week 15, Day 6, April 14 **Holiday** |
| Week 16, **April 16 to April22**  Chapter |
| Assignments |
| Week 16, Day 1, April 16 Measurements of Dispassion |
| Week 16, Day 2, April 17 Range |
| Week 16, Day 3, April 18 **Holiday** |
| Week 16, Day 4, April 19 Mean Deviation |
| Week 16, Day 5, April 20 Standard Deviation |
| Week 16, Day 6, April 21 Relative Dispersion |
| Week17 **April 23 to April29**  Chapter |
| Assignments |
| Week17 , Day 1, April 23 Lorenz Curve |
| Week 17, Day 2, April 24 Revision of Aerial Photographs |
| Week 17, Day 3, April 25 Revision of Elements of Aerial Photo Interpretation |
| Week 17, Day 4, April 26 Revision of Remote Sewing |
| Week 17, Day 5, April 27 Revision of Satellite Imageries |
| Week 17, Day 6, April 28 Revision of GIS |
| Week 18 **April 30 to May 6**  Chapter |
| Assignments |
| Week18 , Day 1, April 30 **Holiday** |