

Geography

B.A. VIth Semester

Month - January.

WEEK-1.

Introduction to Aerial photographs :- Meaning
Their advantages and
Types.

Geometry of Aerial photos

Scale of Aerial photos

WEEK-2 Elements of Aerial photo Interpretation.
Image Interpretation

Basic principles of Interpretation of Aerial photo
Factors affecting Quality of an Image.

Factors affecting the interpretation of Aerial photo
Basic of Aerial photograph Interpretation

WEEK-3 Interpretation of Aerial Photographs
Method of Interpretation of Aerial photographs
Purposes of Aerial photo Interpretation
Benefits of Aerial photo Interpretation

WEEK-4 Remote Sensing : Meaning and Definition
Fundamentals of Remote Sensing
Stages of Remote Sensing
Electromagnetic Spectrum
Zones of Remote Sensing
Revision
Test

Month- February.

Week- 5 Introduction to Remote sensing:

Electromagnetic spectrum

Stages in remote sensing

Type of Satellites

Week- 6 Swath of Satellite

Sensors or sensing systems

Types of Resolution in Remote Sensing

Remote Sensing in India

New Era in the Field of Remote Sensing

Week- 7 Types of Imageries and
Their application in various fields
Such as agriculture.
Environment and resource mapping.

Week- 8 Application of Imageries
Applications of Remote Sensing
Applications of Remote Sensing Forestry.
Revision
Test

Month - March.

Week - 9.

Introduction to Geographical Information System

Definition

Purpose

Advantages

Software and Hardware Requirements

Week - 10.

Spatial Data Format

Types of Data in G.I.S.

Sequence of Activities of G.I.S.

Geo. Information Technique.

Week - 11.

Concept of Space and Time in S.I.S.

Objectives of G.I.S.

Planning and G.I.S.

Elements of G.I.S.

Week - 12.

Advantages of G.I.S.

Advantage over traditional method of Map.

Advantage over Mapping Software

C.A.D. Advantage

Application of G.I.S. in various fields of Geography.

Revision

Test

month - April

Week - 13.

Measure of Central Tendency:

Mean: Meaning and Definitions of Statistics. Median, and mode
 Classification of Statistical Data on the Basis of Collection.

Calculation of Data.

Classification of Data on the Basis of Place

Classification of Data on the Basis of Subject Matter

Week - 14.

Quantitative Classification of Data.

Statistical Series

Meaning and Definitions of central Tendency.

Median - Meaning and Definitions.

Week - 15.

Mode - Definitions

Calculation of mode

Relative Evaluation of Mean, Median and mode

Inter-relationship among Mean, median and Mode.

Week - 16.

Measure of Central Dispersion

Range

Quartile deviation and

Mean deviation

Standard deviation

Coefficient of variation.

Revision

Test.

Remarks

Teacher's Signature Sumit Kumar