**B.A/B.Sc DEGREE EXAMINATION**

**THIRD YEAR – V SEMESTER**

**GEOGRAPHY**

W.E.F. 2017-18

**1-5-119**

**Paper-501 PRINCIPALS OF REMOTE SENSING**

**UNIT-1**

**1. Remote sensing** - Definition, History and Development.

**2**. Stages in Remote sensing process, Energy sources.

**3.** Types of Remote sensing – Active and Passive Remote Sensing.

**UNIT-2**

**1. Aerial Photograph** - Definition, History and Development.

**2.** Types of Aerial Photographs: - Vertical, Low oblique Photographs, High oblique Photographs, Composite photographs, Time trogon photographs and Sonne Photographs.

**3.** Geometry of Aerial Photographs , Scale and Resolution of Aerial   
 Photographs, Photo Interpretation Using Stereoscopy

**UNIT-3**

**1. Platforms Satellites And Sensors** :- Platforms – Ground Based,   
 Aerial Based Platforms and Space based Platforms.

**2**. Satellite orbits:- Definition and Characteristics of Orbits.

**3**. Types of Satellites – Geostationary Satellites and Sun synchronous   
 Satellites. characteristics of satellites.

**4**. Sensors: - Definition, Active sensors: - RADAR, Laser Scanner and LIDAR. Passive Sensors:- Photographic Camera, Television Camera, Return Beam Videocon(RBV), Electro Optical Scanner and Multi Spectral Scanner(MSS).

**UNIT-4**

**1. Image Interpretation**:- Images-Qualitatively (OR) Visually/Analog   
 Quantitatively(or)Digital Image.

**2**. Elements of Image Interpretation

3. Digital Image processing .

**UNIT-5**

**1. Indian Remote Sensing:-** History and Development of Remote   
 Sensing in India.

**2.** Remote Sensing applications on Disaster management:- Floods   
 Droughts, Tsunami, Earthquakes & Cyclones.

**References:-**

1. Anji reddy . M : Text book of remote Sensing and Geographical Information System , B.S Publications, Hyderbad,2008.
2. Pradip Kumar Guha : Text book of remote Sensing for the Beginner, Second edition, 2008.
3. David P.Paine : Aerial PhotoGraphy and image Interpretation for resource Management, John Wiley & sons Publications, 1981.
4. John R.Jensen: Second edition, Remote Sensing of the Environment An Earth resource Perspective, 2009.
5. Meenakshi Kumar: Text book of Reading to Learn remote Sensing,2001. Published by National council of Educational Research and Training.
6. Thomas M. Lillesand And Ralph W.Kefer, Remote Sensing and Image Interpretation. Jhon Wiley & sons, New York,1994.

**MODEL QUESTION PAPER**

B.A/B.Sc Degree Examination

**THIRD YEAR – V SEMESTER**

**GEOGRAPHY**

**Paper: 501- PRINCIPALS OF REMOTE SENSING**

(Effective from 2015-2016 admitted batch)

Time: 3 hours Max. Marks:75

**Part-A**

Answer any five from the following questions ( 5X5 =25 Marks)

Each questions carries 5 Marks.

1. Define Remote Sensing
2. History of Aerial Photographs
3. Stereoscope
4. Platforms
5. Types of satellites
6. Quantitative image
7. Active sensors
8. Scale of Aerial Photographs

**Part-B**

Answer the following questions with internal choice (5X10 =50 Marks)

Each questions carries 10 Marks

1. (A) A brief note on history and Development of Remote sensing

**(or)**

(B) Stages in Remote sensing process – Explain

1. (A) Geometry of Aerial Photographs

**(or)**

(B) Define Aerial photograph, Types of Aerial photograph

1. (A) Define orbit to Explain Orbit Characteristics

**(or)**

(B) Define sensor to Explain different types of sensors

1. (A) Elements of Image interpretation

**(or)**

(B) Digital Image processing

1. (A) Brief note on history and Development of Remote sensing in India

**(or)**

(B) Advantages of Remote sensing

Dr.M. Reddi Bhaskara Reddy

Chairman

BOS in Geography (Comb)

Paper-502 REMOTE SENSING PRACTICAL

1. Aerial Photography - Types of Aerial Photographs, Scale of Aerial Photographs
2. Geometry of Aerial Photographs
3. Stereoscopy: definition types and uses of stereoscopes
4. Interpretation of Physical Features of Aerial Photograph
5. Interpretation of Cultural Features of Aerial Photograph

**References:-**

1. Curran , Paul, J. : Principals of Remote Sensing: Longman, London,1985
2. Gatam N.C. et al. Space technology and Geography: National Remote Sensing Agency, Hyderabad, 1994.
3. Thomas M. Lillesand and Ralph, W.Keffer: Remote Sensing and Image Interpretation, John Willey & Sons, New York, 1994.

**MODEL QUESTION PAPER**

B.A/B.Sc Degree Examination

**THIRD YEAR – V SEMESTER**

**GEOGRAPHY**

**Paper: 502- REMOTE SENSING PRACTICAL**

**(PRACTICAL EXAMINATION)**

(Effective from 2015-2016 admitted batch)

Maxmum Marks:50

Time: 3 hours

**Distribution of Marks**

**Questions – 40**

**Record & viva – voce =10 Total - 50**

**Answer all the questions:**

(All questions carry equal Marks) ( 4X10=40 Marks)

1. Elements of Aerial Photograph
2. Explain About stereoscope
3. Interpretation of Physical Features for given Aerial Photograph
4. Interpretation of Cultural Features for given Aerial Photograph
5. Record + Viva-Voce ( 1X10=10 Marks)

Dr.M. Reddi Bhaskara Reddy

Chairman

BOS in Geography (Comb)

1-5-120

503 PAPER ECONOMIC GEOGRAPHY

**UNIT-1**

1. Introduction: concept and classification of economic activity.

**Unit-2**

1. Factors Affecting location of economic activity with special reference to   
 agriculture. vonthunen theory.

2. we bar’s industrial theory.

**UNIT-3**

1.Primary Activities: Subsistence and Commercial agriculture, forestry and mining.

**UNIT-4**

1. SecondaryActivities:Manufacturingindustries(cotton textile Iron and Steel)

2. Concept of Manufacturing Regions, Special Economic Zones and Technology   
 Parks.

**UNIT-5**

Teritary Activities:1.Transport,

2.Trade

3. Services.

**References.**

1. AlexanderJ.W.1963:Econamic Geography,Prentice-Hall inc.,Englewood Cliffs,   
 New jersey.

2. CocN.M,Kelly.P.F and YeungH.W,2007: Econamic Geography:A Contepaorary   
 Intraduction,Wiley-Blackwell.

3. HodderB.W.andLee Roger,1974: Econamic Geography,Taylor and Francis.

4. CombosP.,MayerT. And ThisseJ.F.,2008:Econamic Geography:The Integration of   
 Regions and Nations,Princeton University Press.

5. WheelerJ.O.,1998:Econamic Geography,wiley.

6. Goh cheng Ceong andElizabeth Martin1982 Human and Econamic geography.

7. WillingtonD.E.,2008Econamic Geography,Husband press.

8. DurandL.,1961:EconamicGeography,Crowell.

**MODEL QUESTION PAPER**

B.A/B.Sc Degree Examination

**THIRD YEAR – V SEMESTER**

**GEOGRAPHY**

**Paper: 503- ECONOMIC GEOGRAPHY**

(Effective from 2015-2016 admitted batch)

Time: 3 hours Max. Marks:75

**Part-A**

Answer any five from the following questions (5X5 =25 Marks)

Each questions carries 5 Marks.

1. Primary activities
2. Forestry
3. Fishing
4. Iron Industry
5. Technological parks
6. Services
7. Steel Industry
8. Tobaco

**Part-B**

Answer the following questions with internal choice (5X10 =50 Marks)

Each questions carries 10 Marks

1. (A) A brief note on economic activity

**(or)**

(B) concept and Classification of economic activity – Explain

1. (A) Von thunen theory- explain

**(or)**

(B) Webers theory- explain

1. (A) Brief note of commercial agriculture crops

**(or)**

(B) Brief note on mining industry

1. (A) Brief note on cotton industry

**(or)**

(B) Brief note on Special Economic Zones.

1. (A) Brief note on transport system

**(or)**

(B) Brief note on trading system.

Dr.M. Reddi Bhaskara Reddy

Chairman

BOS in Geography (Comb)

PAPER 504 Project work on Regional Development.

1. Research problem
2. Objectives
3. Scope
4. Tools and analysis
5. Compilation and computing
6. Presentations
7. Field Survey Case Studies on Poverty/drought/shelf help groups/village development/ socio-economic conditions/water management/Swatch- Bharat-Mission/Education/agriculture.

# References..1.Krishnaswamyor Methodology Of Research In Social Sciences 2E – 2013

# 2. CRkothari Research Methodology: Methods and Techniques

# 3. NEWMAN  Social Research Methods: Qualitative and Quantitative Approaches

# 4. Pannerselvam R Research Methodology

# 5. Gerard GuthriBasic Research Methods: An Entry to Social Science Research

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**MODEL QUESTION PAPER**

B.A/B.Sc Degree Examination

**THIRD YEAR – V SEMESTER**

**GEOGRAPHY**

**Paper: 504- project work on regional development**

(Effective from 2015-2016 admitted batch)

Maxmum Marks:50

Time: 3 hours

**Distribution of Marks**

**Project work - 40**

**Viva-voce -10 Total - 50**

1. Project work on poverty