

[BA Geography I sem\\_1.pdf](#)

[Geography\\_Isem\\_2016-17AB.pdf](#)

[Geography syllabus from 2015-16 AB\\_3.pdf](#)

[Geography\\_IVSem\\_2015-16AB.pdf](#)

[Geography VI SEMESTER.pdf](#)

[Geography\\_Vsem\\_2015-16ab.pdf](#)

Paper No.	Title	Internal Assessment	External Assessment	Maximum Marks	Total Marks	Time
<b>Semester-I</b>						
101	Geography of India	25	75	100	100	3 Hours
102	Maps and Scales (Practical)	10+10 (Record+ Viva-Voce)	80	100	100	3 Hours

### **Paper 101 Geography of India**

**Maximum Marks : 100**

**External Assessment: 75**

**Internal Assessment: 25**

**Time : 3 Hours**

*Note: Question 1 is compulsory and comprises of ten short questions to be answered in 15-20 words. There will be eight long questions, two from each section. The candidate has to answer one question from each section. All five questions carry equal marks.*

#### **Unit-I**

1. India: Location, relief structure and drainage systems.
2. Climate, soils, natural vegetation.

#### **Unit-II**

1. Population: distribution, density, growth and composition.
2. Migration, human settlement types and urbanization.

#### **Unit-III**

1. Land resources, irrigation, regional variations in cropping pattern, Green revolution and problems of Indian agriculture.
2. Energy and mineral resources: coal, petroleum, hydroelectricity and nuclear energy, iron ore, manganese and mica.

#### **Unit-IV**

1. Industries- iron and steel, cotton textile, sugar and petrochemical industries; and industrial regions of India.

#### **Unit-V**

1. Modes of transport and communication, international trade changing pattern of export and import.

#### Suggested Readings

1. Deshpande, C D: India – A Regional Interpretation, Northern Book Depot, New Delhi, 1992.
2. Singh, Gopal : Geography of India, Atma Ram and Sons, 2006.
3. Shafi, M : Geography of South Asia, McMillan and Company, Calcutta, 2000.
4. Singh, R L (ed) : India : A Regional Geography, National Geographical Society, India, Varanasi, 1971.
5. Spate, D H K and ATA Learmonth : Indian and Pakistan – Land, People and Economy, Methnen and Company, London, 1967.

## PRACTICALS

### Paper 102 Maps and Scales

**Maximum Marks: 100**

**Time : 3 Hours**

#### **Distribution of Marks**

<b>Exercises</b>	<b>= 80</b>
<b>Record File</b>	<b>= 10</b>
<b>Viva-voce</b>	<b>= 10</b>

*Note: There will be four questions in all and candidate has to attempt three exercises selecting at least from each unit.*

1. Introduction to Cartography.	
2. Maps and their types.	
3. Scales.	Exercises
(i) Methods of Expressing a scale	2
(ii) Conversion of Statement of Scale into R.F. and vice-versa.	1
(iii) Plain Scale (Km and mile)	1
(iv) Comparative Scale	2
(v) Diagonal Scale	2
(vi) Measurements of distances and areas of Maps	2

#### **Suggested Readings:**

1. F.J. Monkhouse and H.R. Wilkinson (1972) Maps and Diagrams, Mothuen and Co. Ltd., London
2. L.R. Singh and Raghuvander Singh (1973), Map Work and Practical Geography, Central Book Depot, Allahabad.
3. R.L. Singh and P.K. Dutt (1968), Elements of Practical Geography, Students Friends, Allahabad.
4. Singh Gopal (2004) 4<sup>th</sup> edition, Map Work and Practical Geography, Viksa Publication House.

**ADIKAVI NANNAYA UNIVERSITY: RAJAMAHENDRAVARAM**

**CBCS/ SEMESTER SYSTEM**

II SEMESTER:: Geography(Common for B.A/B.Sc)

(FOR 2016-17 ADMITTED BATCH)

**Paper 201 Physical Geography – I**

**Maximum Marks : 100**

**External Assessment: 75**

**Internal Assessment: 25**

**Time : 3 Hours**

*Note: Question 1 is compulsory and comprises of Ten short questions to be answered in 15-20 words. There will be eight long questions, two from each section. The candidate has to answer one question from each section. All five questions carry equal marks.*

**Unit-I**

1. Definition, Nature, scope of Physical Geography.
2. Geological time scale and rocks.

**Unit-II**

1. Earth movements; organic, epeirogenic, earth quakes and volcanoes.
2. Wegner's theory of continental drift and Plate tectonic theory.

**Unit-III**

1. Weathering; causes and its types.
2. Mass-movements; causes, its types and impacts.

**Unit-IV**

1. Concept of cycle of erosion; cycle of erosion by W.M.Davis

**Unit-V**

1. Process of Wind, River, Underground water, Glaciers and Seawaves.

References

1. Sharma H.S. Perspective in Geomorphology, Concept, New Delhi 1980.
2. Singh Savinder, Geomorphology, Prayag Publication, Allahabad 1998.
3. Singh Savinder, Physical Geography Prayag Publication, Allahabad, 1998.
4. Sparks B.W. Geomorphology, Jojngman, London, 1960.
5. Thornbury W.D. 1969 Principles of Geomorphology, New York, John Wiley & Sons.

## Paper 202 Representation of Physical Features

Maximum Marks: 100

Time : 3 Hours

### Distribution of Marks

Exercises = 80

Record File = 10

Viva-voce = 10

*Note: There will be four questions in all and candidate has to attempt three exercises selecting at least from each unit.*

1. Introduction to Topographical Sheets  
India and adjacent countries
2. Conventional Signs
3. Methods of representing relief-Spot heights, Bench Marks, Lear coloring and Hill Shading.
4. Representation of Topographical features by contours.  
Slopes (Concave, convex, undulating and terraced)  
Valleys (V Shaped, U shaped, Gorge, Re-entrant)  
Ridges (Conical hill, Volcanic hill, Plateau, Escarpment)  
Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast)
5. Interpretation of Physical Features in SOI maps.

### Suggested Readings:

1. F.J. Monkhouse and H.R. Wilkinson (1972) Maps and Diagrams, Mothuen and Co. Ltd., London
2. L.R. Singh and Raghuvander Singh (1973), Map Work and Practical Geography, Central Book Depot, Allahabad.
3. R.I. Singh and P.K. Dutt (1968), Elements of Practical Geography, Students Friends, Allahabad.
4. Singh Gopal (2004) 4<sup>th</sup> edition, Map Work and Practical Geography, Viksa Publication House.

# ADIKAVI NANNAYA UNIVERSITY

## RAJAMAHENDRAVARAM

### CBCS / Semester System

(From 2015-16 Admitted Batch)

#### III Semester Syllabus

#### B.A. / B.Sc. GEOGRAPHY

#### Paper 301 Physical Geography-II

##### Unit-I

1. Weather and Climate; Origin, composition and structure of atmosphere.
2. Insolation, Global heat budget, Horizontal and vertical distribution of temperature, inversion of temperature.

##### Unit-II

1. Atmospheric pressure- measurement and distribution, pressure belts, planetary winds, Monsoon and Local winds.

##### Unit-III

1. Humidity- measurement and variables, evaporation, condensation, precipitation forms and types and distribution.

##### Unit-IV

1. Climate classification by Koppen

##### Unit-V

1. Configuration of oceanic floors, Temperature and Salinity of ocean, Land and water distribution.
2. Tides, waves, ocean currents and oceanic resources.

#### Suggested Readings:

1. Barry, RG and Chorley R.J., Atmosphere, Weather and Climate, Routledge, 1998.
2. Critchfield, H., General Climatology, Prentice-Hall of India, 2002.
3. King, C. Oceanography for Geographers, Edward Arnold, London, 1975.
4. Trewartha, GT: An Introduction to Climate, Mc-Graw Hill, New York, 1981.
5. Trewartha, G.T., The Earth's Problems Climates, University of Wisconsin Press, USA.

## Paper – 302 Representation of Climatic Data

**Maximum Marks: 100**

**Time: 3 Hours**

### Distribution of Marks

**Exercises = 80**

**Record File = 10**

**Viva-voce = 10**

*Note: There will be four questions in all and candidate has to attempt three exercises selecting at least from each unit.*

1. Collection of Climatic data.
2. Representation of temperature and rainfall.
  - (i) Line and Bar Graph – 1 Exercise.
  - (ii) Distribution of temperature (180 therms) – 1 Exercise.
  - (iii) Distribution of rainfall (180 hytes) – 1 Exercise.
  - (iv) Hythergraph - 1 Exercise.
3. Climograph (wet and dry places) - 2 Exercise.
4. Weather map Interpretation (January & July) - 2 Exercise.

### Suggested Readings:

1. Singh, R.L., 1979. Elements of Practical Geography, Kalyani Publisher, New Delhi.
2. Gregory S. 1963. Statistical Methods and the Geography, Longman, London.
3. Khan, A.A. 1996. Text Book of Practical Geography, Concept, New Delhi,.
4. Lawarence, GRP1968. Cartographic Methods, Methuen, London,.
5. Monkhouse, F.J. and Wilkinson, H.R1994. Maps and Diagrams, Methuen, London,
6. Pal. S.K. 1998: Statistics for Geoscientist- Techniques and Applications, Concept Publication, New Delhi,.
7. Sarkar, A.K 1997: Practical Geography-A Systematic Approach, Orient Longman, Calcutta.



**ADIKAVI NANNAYA UNIVERSITY**  
**CBCS/SEMESTER SYSTEM**  
**IV SEMESTER: B.A/B.SC GEOGRAPHY**  
**W.E.FROM 2015-16 AB**

**Paper 401 Human Geography**

**Unit-I**

1. Nature scope and Historical development of Human Geography.
2. Division of Mankind: Spatial distribution of race and tribes of India; concept of man-environment relation.

**Unit-II**

1. Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau – Gonds (iv) Mountains – Gujjars.

**Unit-III**

1. Meaning, nature and components of resources; Classification of resources – renewal and non-renewable ; biotic and abiotic, recyclable and non recyclable.

**Unit-IV**

1. Distribution and density of world population, population growth, fertility and mortality patterns.
2. Concept of over, under and optimum population; Population theories: Malthus.

**Unit-V**

1. Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification.
2. Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution.

**Suggested Readings:-**

1. Agarwal, A etal : The Citizen's Fifth Citizen's Report, Centre for Science & Environment, New Delhi, 1999.
2. Alexander, John. W. : Economic Geography, Prentice Hall of India Ltd., New Delhi, 1988.
3. Bergwan, Edward E: Human Geography: Culture Connections and Landscape, Prentice-Hall, New Jersey, 1985.
4. Carr, M. Patterns: Process and Change in Human Geography, McMillan Education, London, 1987.
5. Chandna, R.C. : A Geography of Population : Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi, 1986.
6. DeBlij, H. J. : Human Geography, Culture, Society and Space, John Wiley, New York, 1996.

7. Fellman, J.L. : Human Geography-Landscapes of Human Activities, Brown and Benchman Pub., USA, 1997.
8. Global Environment Outlook: Earthscan, London, 2000.
9. McBride, P.J. Human Geography; Systems Patterns and Change, Nelson, UK and Canada, 1996.
10. Michael, Can: New Patterns : Process and Change in Human Geography, Nelson, 1996.

### **Paper –402 Map Projections**

1. Introduction to Map Projection: Characteristics of latitudes and longitudes lines.
2. Cylindrical projections: Characteristics, applications and drawing;
  - (i) Simple cylindrical projection
  - (ii) Cylindrical equal area projection.
3. Conical Projections: Characteristics, applications and drawing.
  1. Simple conical projections with one standard parallel
  2. Simple conical projection with two standard parallel
4. Zenithal Projections: Characteristics, applications and drawing.
  - (i) Polar Zenithal Equidistant Projection.
5. Characteristics, applications and drawings of Sinosoidal Projection

### **Suggested Readings:**

1. Mishra R.P. and Ramesh A. 1999. Fundamentals of Cartography, Concept Publishing Company, New Delhi.
2. Robinson, A.H. et.al. Elements of Cartography, John Wiley & Sons, 1995.
3. Singh, R.L., 1979. Elements of Practical Geography, Kalyani Publisher, New Delhi.
4. Khan, A.A. 1996. Text Book of Practical Geography, Concept, New Delhi,.
5. Monkhouse, F.J. and Wilkinson, H.R1994. Maps and Diagrams, Methuen, London,
6. Steers, J.B. Map Projections; University of London Press, London.

**ADIKAVI NANNAYA UNIVERSITY**  
**Structure of BA/BSc GEOGRAPHY under CBCS**  
w.e.f. 2015-16 ADMITTED BATCH  
**VI Semester**

<i>Year</i>	<i>Semester</i>	<i>Paper</i>	<i>Title</i>	<i>Hours</i>	<i>Marks</i>	<i>Credits</i>		
<b>III</b>	<b>VI</b>	<b>VII</b>	(A): Introduction to Geographical Information System(GIS)	<b>3</b>	<b>100</b>	<b>03</b>		
			Practical	<b>2</b>	<b>50</b>	<b>02</b>		
		<b>VIII**</b>	<b>Cluster Elective (A)</b>	<b>A-1</b> : Regional Geography of Asia	<b>3</b>	<b>100</b>	<b>03</b>	
				<b>A-2</b> : Regional Geography of South East Asia	<b>3</b>	<b>100</b>	<b>03</b>	
				<b>A-3</b> : Regional Geography of South West Asia	<b>3</b>	<b>100</b>	<b>03</b>	
				<b>A-1</b> : Practical	<b>2</b>	<b>50</b>	<b>02</b>	
				<b>A-2</b> : Practical	<b>2</b>	<b>50</b>	<b>02</b>	
				<b>-A-3</b> : Practical	<b>2</b>	<b>50</b>	<b>02</b>	
				<b>Cluster Elective (B)</b>	<b>B-1</b> : Regional Geography of A.P	<b>3</b>	<b>100</b>	<b>03</b>
					<b>B-2</b> : Regional Geography of Coastal Andhra	<b>3</b>	<b>100</b>	<b>03</b>
					<b>B-3</b> : Regional Geography of Raylaseema	<b>3</b>	<b>100</b>	<b>03</b>
					<b>B-1</b> : Practical	<b>2</b>	<b>50</b>	<b>02</b>
					<b>B-2</b> : Practical	<b>2</b>	<b>50</b>	<b>02</b>
					<b>B-3</b> : Practical	<b>2</b>	<b>50</b>	<b>02</b>

\*\* Student has to chose either Cluster Elective (A) or (B)

**ADIKAVI NANNAYA UNIVERSITY**  
**BA/BSc GEOGRAPHY SYLLABUS UNDER CBCS**  
**VI Semester**  
**w.e. from 2015-16 admitted batch**  
**Elective (A): Introduction to Geographical Information System (GIS)**

**UNIT-I**

1. Introduction to Geographical Information System: Definition, purpose, advantages.
2. History of GIS.

**UNIT-II**

1. Software and hardware requirements.
2. Classification of Software and Hardware.

**UNIT-III**

1. Data capture/Input, Data Storage, Retrieval, analysis and output.
2. GIS data types: Spatial and attribute data-Raster and Vector data structure.

**UNIT-IV**

1. GPS, Definition, GPS satellites and its Applications

**UNIT-V**

1. Remote sensing and GIS integration.
2. Application of GIS in various fields of geography.

**Suggested Readings:**

1. M.Anji Reddy 2008. Text book of Remote sensing and Geographical Information Systems, BS Publications, Hyderabad.
2. Telugu Academy 2011. B.A/B.Sc, Sudura Grahaka Sastram-Bowgolika samachara vyavasta.
3. Burrough P.A. 1986. Principles of Geographic Information Systems for Land Resources Assessment. Oxford University Press, New York.
4. Fraser Taylor D.R. 1991. Geographic Information System. Pergamon Press, Oxford.
5. Star J. and Estes 1994. Geographical Information Systems: An Introduction. Prentice Hall, Englewood, Cliff, New Jersey.

## Practical: Remote Sensing

1. Demarcation of Principal Point, Conjugate Principal point and Flight line on Aerial Photographs – 1 Exercise
2. Determination of Scale of Aerial Photographs – 1 Exercise.
3. Interpretation of Single Vertical Photographs – 1 Exercise.
4. Use of Stereoscope and Identification of Features – 1 Exercise.
5. Techniques of Visual interpretation.
6. Visual interpretation of satellite images-LULC and line features.

### Suggested readings:

1. Mishra RP and Ramesh A. 1999. Fundamentals of Cartography, Concept Publishing Company, New Delhi.
2. Monkhouse FJ and Wilkinson HR. 1972. Maps and Diagrams, Methuen Press, London
3. Singh Gopal. 2004. Map Work and Practical Geography, Vikas Publication House, New Delhi.
4. Singh RL. 1979. Elements of Practical Geography, Kalyani Publishers, New Delhi
5. John R. Jensen, Remote Sensing of the Environment; An Earth Resource Perspective, Pearson Education, (India Edition) New Delhi, 2009.
6. Lillesand and R.W.Kiefer, Remote Sensing and Image Interpretation, John Wiley and Sons, 1994.

## Model Paper

**Marks: 50**

- |  |   |          |
|--|---|----------|
| 1. Interpretation of image                           | - | 10Marks  |
| 2. Use of stereoscope and identification of features | - | 10 Marks |
| 3. Visual Interpretation of satellite image          | - | 10 Marks |
| 4. Viva  | - | 05 Marks |
| 5. Record  | - | 15 Marks |

**Subject : GEOGRAPHY**  
**Introduction to Geographical Information system**  
**Model Question Paper.**

Maximum Marks : 75

Time : 3 Hours

**Section - A**

Answer any FOUR of the following questions.

**5x5= 25 M**

1. GIS parts
2. Data Storage
3. GPS
4. Write about the Vectors
5. History GIS
6. Data Conversion
7. Hardware Components
8. Data capturing

**Section - B**

Answer any one each section of the following questions

**5x10= 50 M**

9. a) Define, purpose advantages of Geographical Information System.  
(or)  
b) Write about the requirement of Hardware components and Software components in GIS.
10. a) Discuss about the different types of GIS data.  
(or)  
b) Give an account of GPS Applications.
11. a) Define remote sensing and write about the relations of GIS and RS.  
(or)  
b) Write about the Raster and Vector data structure in GIS.
12. a) Write about the GPS satellites and its Applications.  
(or)  
b) Write about Remote sensing and GIS integration.
13. a) Write about the Indian GIS system  
(or)  
b) Write about the application of GIS various fields of Geography.

**ADIKAVI NANNAYA UNIVERSITY**  
**BA/BSc GEOGRAPHY SYLLABUS UNDER CBCS**  
**VI Semester**  
**w.e. from 2015-16 admitted batch**  
**Cluster Elective (A1): Regional Geography of Asia**

**UNIT - I**

1. Location and relief of Asia
2. Climate of Asia

**UNIT - II**

1. Drainage System in Asia
2. Soil in Asia

**UNIT - III**

1. Natural Vegetation
2. Types of Agriculture Crops Paddy Wheat

**UNIT - IV**

1. Population distribution in Asia

**UNIT - V**

1. Mineral Wealth  
Iron ore,  
Coal  
Petroleum
2. Industries  
Ship building , Petro Chemicals

**Suggested Readings :**

- 1) Harthorne TN and Alexander JW. 188. Asian Geography, Prentice Hall, New Delhi.
- 2) Jones CF and Darkenwald GG. 1975. Asian Geography Mc. Millan Company, New York,
- 3) Thomas, RS 1962. The Geography of Asia. Mc Graw Hill, New York.
- 4) Telugu Academy , Hyderabad. The Regional Geography of Asia.

## Practical :A1

### Tour Visit :

- 1) Conducting of Field Tips
- 2) Physical & Cultural, Land Scape
- 3) Human Life & Occupation
- 4) Cropping Pattern
- 5) Irrigation and Harvesting Methods

### Suggested Readings

- 1) Ananta narayana Raman & Jayashri Nimmagadda, hand book of Research process
- 2) Bajpal S.R. Methods of social survey and research
- 3) Gautam, N.C. Development of Reserch Tools.

## Model Question Paper.

Maximum Marks : 50

Time : 3 Hours

Answer All the following questions.

1. మీరు సందర్శించిన క్షేత్రంలోని భౌగోళిక మరియు సాంస్కృతిక అంశాలను గూర్చి వ్రాయుము ? 10M
2. మీరు సందర్శించిన వివిధ రకాల మానవ వృత్తులను గూర్చి వ్రాయుము ? 10M
3. మీరు సందర్శించిన క్షేత్రంలోని నీటి పారుదల వసతులను గూర్చి వ్రాయుము ? 10M
4. వైవా, రికార్డు ? 20M



JK

**Subject : GEOGRAPHY**  
**Regional Geography of Asia**  
**Model Question Paper.**

Maximum Marks : 75

Time : 3 Hours

**Section - A**

**Answer any FOUR of the following questions.**

**5x5= 25 M**

1. Wheat distribution in Asia
2. High density areas in Asia
3. Petroleum production in Asia
4. Subsistence Agriculture in Asia
5. Iron ore in Asia
6. Rubber in Malaysia
7. Ship building industry in Asia
8. Coal types and distribution in Asia

**Section - B**

**Answer any one each section of the following questions**

**5x10= 50 M**

9. a) Describe the major physical features of Asia  
(or)  
b) Explain the climate conditions in Asia
10. a) Give an account of the natural vegetation of Asia  
(or)  
b) Name the major rivers of Asia and describe them briefly.
11. a) Causes growth of population in Asia  
(or)  
b) Population and distribution of paddy crop in Asia
12. a) Write about the petroleum resources in Asia  
(or)  
b) Write about the commercial crops
13. a) Write about the International trade in Asia  
(or)  
b) Write about the Industries in Asia

**ADIKAVI NANNAYA UNIVERSITY**  
**BA/BSc GEOGRAPHY SYLLABUS UNDER CBCS**  
**VI Semester**  
**w.e. from 2015-16 admitted batch**  
**Cluster Elective (A2): Regional Geography of South East Asia**

**UNIT - I**

1. Location and relief of South East Asia
2. Climate

**UNIT - II**

3. Vegetation
4. Irrigation

**UNIT - III**

5. Agriculture and Crops
6. Population

**UNIT - IV**

7. Mineral Wealth
8. Industries Distribution

**UNIT - V**

9. Thailand
10. Malaysia
11. Indonesia

**Suggested Readings :**

- 1) Harthorne TN and Alexander JW. 188. Asian Geography, Prentice Hall, New Delhi.
- 2) Jones CF and Darkenwald GG. 1975. Asian Geography Mc. Millan Company, New York,
- 3) Thomas, RS 1962 . The Geography of Asia. Mc Graw Hill, New York.
- 4) Telugu Academy , Hyderabad. The Regional Geography of Asia.

## PRACTICAL : A2

Time : 3 Hours

### Surveying Practical

- 1) Chain Summary
- 2) Plain Table
- 3) Prismatic Compass

### Suggested Readings

- 1) Ananta narayana Raman & Jayashri Nimmagadda, hand book of Research process
- 2) Bajpal S.R. Methods of social survey and research
- 3) Gautam, N.C. Development of Reserch Tools.

### Model Question Paper.

Maximum Marks : 50

Time : 3 Hours

Answer any FOUR of the following questions.

- |                       |      |
|-----------------------|------|
| 1. Chain Survey       | 10 M |
| 2. Plain Table survey | 10 M |
| 3. Prismatic compass  | 10 M |
| 4. Viva               | 10 M |
| 5. Record             | 10 M |

**Subject : GEOGRAPHY**  
**Paper - South East Asia**  
**Model Question Paper.**

Maximum Marks : 75

Time : 3 Hours

**Answer any Four of the following questions.**

5 x 5 = 25

1. Ship building in Japan
2. Automobile industry
3. Petroleum products
4. Low density areas
5. Plantation agriculture
6. Geographical regions in Iron.
7. Write Brief about the Thailand
8. Iron ore

**Answer any one each unit of the following questions.**

5 x 10 = 50

9. a) Describe the major physical features of South East Asia.  
(or)  
b) Explain the climate conditions in South East Asia
10. a) Write the climate conditions in South East Asia  
(or)  
b) Write about the Malaysia Location and physical features.
11. a) Discuss the location and physical features of Indonesia.  
(or)  
b) Discuss about the South East Asia of Agriculture
12. a) Explain the different types of agricultural practices in South East Asia.  
b) Discuss the causes growth of population in South East Asia
13. a) Write about the industrial Distribution of South East Asia  
b) Write about the Thailand Population.

**ADIKAVI NANNAYA UNIVERSITY**  
**BA/BSc GEOGRAPHY SYLLABUS UNDER CBCS**  
**VI Semester**  
**w.e. from 2015-16 admitted batch**  
**Cluster Elective (A3): Regional Geography of South West Asia**

**UNIT - I**

1. Location and relief of South West Asia
2. Climate

**UNIT - II**

1. Vegetation
2. Agriculture Crops

**UNIT - III**

1. Irrigation
2. Population

**UNIT - IV**

1. Iran
2. Iraq
3. Afghanistan

**UNIT - V**

1. Oil Resources
2. Mineral Wealth

**Suggested Reading Books**

- 1) Harthorne TN and Alexander JW. 188. Asian Geography, Prentice Hall, New Delhi.
- 2) Jones CF and Darkenwald GG. 1975. Asian Geography Mc. Millan Company, New York,
- 3) Thomas, RS 1962 . The Geography of Asia. Mc Graw Hill, New York.
- 4) Telugu Academy , Hyderabad. The Regional Geography of Asia.

## PRACTICAL : A3

Maximum Marks : 50

Time : 3 Hours

### Weather Instruments

- 1) Thermo metre
- 2) Rain Guage
- 3) Windwane

### Suggested Readings

- 1) Ananta narayana Raman & Jayashri Nimmagadda, hand book of Research process
- 2) Bajpal S.R. Methods of social survey and research
- 3) Gautam, N.C. Development of Reserch Tools.
- 4) Telugu Acadamy Hyderabad Geography Practical Intermediate Book.

### Model Question Paper.

Maximum Marks 50

Time : 3 Hours

Answer All the following questions.

1. Draw the minimum and maximum Temperature **10M**
2. Draw the Raingauge and write about rain **10M**
3. Draw and Write about the wind Wane **10M**
4. Viva **10M**
5. Record. **10M**

Subject : **GEOGRAPHY**  
South West Asia

Model Paper  
**Section - A**

Maximum Marks : 80  
Time : 3 Hours

Answer any **FOUR** of the following questions.

**5x5= 25 M**

1. Wheat distribution
2. Low density areas
3. Petroleum production areas
4. Soil in SEA
5. Deccan plateau
6. Tea production areas
7. Rubber
8. Agriculture

**Section - B**

Answer any **one** section of the following questions

**5x10= 50 M**

9. a) Describe the major physical features of South West Asia.  
(or)  
b) Explain the climate conditions in South West Asia.
10. a) Give an account of the natural vegetation of South West Asia.  
(or)  
b) Give a geographical account of Iraq.
11. a) Causes growth of population in South West Asia.  
(or)  
b) Production and distribution of Petroleum products in South West Asia.
12. a) Cause growth of population in South West Asia  
(or)  
b) Production and Distribution of Petrouliem products in South West Asia
13. a) Write about the Iraq petrolium Resources  
(or)  
b) Write about the Afghanistan.

Subject : **GEOGRAPHY**  
South West Asia

Model Paper  
**Section - A**

Maximum Marks : 80  
Time : 3 Hours

Answer any **FOUR** of the following questions.

**5x5= 25 M**

1. Wheat distribution
2. Low density areas
3. Petroleum production areas
4. Soil in SEA
5. Deccan plateau
6. Tea production areas
7. Rubber
8. Agriculture

**Section - B**

Answer any **one** section of the following questions

**5x10= 50 M**

9. a) Describe the major physical features of South West Asia.  
(or)  
b) Explain the climate conditions in South West Asia.
10. a) Give an account of the natural vegetation of South West Asia.  
(or)  
b) Give a geographical account of Iraq.
11. a) Causes growth of population in South West Asia.  
(or)  
b) Production and distribution of Petroleum products in South West Asia.
12. a) Cause growth of population in South West Asia  
(or)  
b) Production and Distribution of Petrouliem products in South West Asia
13. a) Write about the Iraq petrolium Resources  
(or)  
b) Write about the Afghanistan.



**ADIKAVI NANNAYA UNIVERSITY**  
**BA/BSc GEOGRAPHY SYLLABUS UNDER CBCS**  
**VI Semester**  
**w.e. from 2015-16 admitted batch**  
**Cluster Elective (B1): Regional Geography of Andhra Pradesh**

**UNIT - I**

1. Location and Relief of A.P.
2. Climate in A. P.

**UNIT - II**

3. Drainage system in A.P.
4. Vegetation in A.P.

**UNIT - III**

5. Agriculture (Irrigation)
  - a) Irrigation Development
  - b) Major Irrigation Project
  - c) Crops (Paddy, Sugarcane)

**UNIT - IV**

6. Soils
7. Population

**UNIT - V**

8. Rural urban settlements
9. Mineral Wealth in A.P. (Iron ore, Manganese, Coal)

**Suggested Readings**

1. Telugu Academy.
2. A.D.V.Ramana Raju, Andhra Pradesh Geography.

## Practical: B1

Maximum Marks : 50

Time : 3 Hours

### Project Work

1. Location
2. Industrial visit
3. Raw Material
4. Labour
5. Transport
6. Water Resources
7. Marketing
8. Production

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**Cluster Elective (B2): Regional Geography of Coastal Andhra**

**UNIT - I**

1. Drainage System in Coastal Andhra
2. Commercial Crops in Coastal Andhra
  1. Tobacco
  2. Coffee
  3. Cotton

**UNIT - II**

3. Aqua Culture in Coastal Andhra

**UNIT - III**

4. Tourist Places in Coastal Andhra
5. Soils in Coastal Andhra

**UNIT - IV**

6. Transportation in Coastal Andhra
7. Ship Yards in Coastal Andhra

**UNIT - V**

8. Live Stock in Coastal Andhra
9. Lakes in Coastal Andhra Pradesh
  
10. Oil Resources in Coastal Andhra
  1. Petroleum
  2. Natural Gas

**Suggested Readings**

1. Telugu Academy.
2. A.D.V.Ramana Raju, Andhra Pradesh Geography.

## Practical: B2

Maximum Marks : 50

Time : 3 Hours

### Practicals : *Representation of Statistical data*

1. Wheel Diagram
2. Block Diagram
3. Star Diagram
4. Pyramid
5. Squar Rectangle.

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**VI Semester**  
**w.e. from 2015-16 admitted batch**  
**Cluster Elective (B3): Regional Geography of Rayalaseema**

**UNIT - I**

1. Vegetation in Rayalaseema
2. Millets in in Rayalaseema

**UNIT - II**

3. Drought -Prone area in Rayalaseema
4. Pilgrim Centers in Rayalaseema

**UNIT - III**

5. Urbanisation in Rayalaseema
6. Irrigation facilities in Rayalaseema

**UNIT - IV**

7. Migration in Rayalaseema
8. Hand looms and Handicrafts in Rayalaseema

**UNIT - V**

9. Minerals in Rayalaseema
10. Industries in Rayalaseema

**Suggested Readings**

1. Telugu Academy.
2. A.D. V.Ramana Raju, Andhara Pradesh Geography.

## **Practical : B3**

Maximum Marks : 50

Time : 3 Hours

### **Weather Instruments**

- 1) Thermo metre
- 2) Rain Guage
- 3) Windwane

### **Suggested Readings**

- 1) Ananta narayana Raman & Jayashri Nimmagadda, hand book of Research process
- 2) Bajpal S.R. Methods of social survey and research
- 3) Gautam, N.C. Development of Reserch Tools.
- 4) Telugu Acadamy Hyderabad Geography Practical Intermediate Book.

**Paper 501 Economic Geography**

Maximum Marks : 100

External Assesment : 75

Internal Assesment : 25

Time : 3 Hours

*Note : Question 1 is compulosry and comprises of Eight short answer type questions to be answered in 15-20 words. There will be eight long questions, two from each section. The candidate has to answer one question from ech section. All five questions carry equal marks.*

**UNIT - I**

1. Nature scope and relationship of economic geography with economics and other branches of social sciences.
2. Classification of economic activities and their impact on environment.

**UNIT - II**

1. World Natural resources: Tpyes, bases nd classification.
2. Conservation and utilization of natural resources.

**UNIT - III**

1. Spatial distribution of food ( rice and wheat ), commercial ( cotton and sugarcane ) and plantation crop ( tea, rubber and coffee ).
2. Ferrous and non - ferrous resources, distribution and production of coal, iron ore, petroleum and natural Gas.

**UNIT - IV**

1. Classification of industries, world distribution and production of iron and steel and textile industry, major industrial complexes of the world.

**UNIT - V**

1. Transport , communication and trade : geographical factors in their development, major modes of water, land and air transport, recent trends in international trade

**Suggested Readings :**

1. Hartshorne TN and Alexander JW. 1988. Economic Geography, Prentice Hall, New Delhi.
2. Jones CF and Darkenwald GG. 1975. Economic Geography. McMillan Company, New York
3. Thomas, RS 1962. The Geography of Economic Activities. Mc Graw Hill, New York.
4. Wheeler J et al. 1995. Economic Geography. John Willy, New Yark.

### III B.A. Degree Examination at the end of V Semester

#### Subject : GEOGRAPHY

501 - Economic Geography, ( w.e.f. 2017-2018)

#### Model Question Paper.

Maximum Marks : 75

Time : 3 Hours

#### Section - A

Answer any FOUR of the following questions.

5x5= 25 M

1. Primary activities
2. Impact of economic activities about environment
3. Coffee and Tea.
4. Distribution of sugar cane
5. Oil deposits
6. Iron and Steel industry
7. Air ways.
8. Iron ore

#### Section - B

Answer any one each section of the following questions

5x10= 50 M

9. a) Define nature and scope of Economic Geography.  
(or)  
b) Define environment, write about the types of environments
10. a) Classify different types of Resources.  
(or)  
b) Give an account of Geographical features of paddy crop.
11. a) Write about the cotton textile industry in the World.  
(or)  
b) Discuss about the water ways in the world.
12. a) Transport types and write about Road Transport.  
(or)  
b) Conservation of natural Resources.
13. a) Write about the International trade  
(or)  
b) Write about the Iron and Steel.



# III B.A. Degree Examination at the end of V Semester

Subject : **GEOGRAPHY**

503 - Maps and Diagrams, Practical ( w.e.f. 2017-2018)

Model Question Paper.

Maximum Marks : 50

Time : 3 Hours

## Syllabus for Fifth Semester

1. Principal of Map design and layout
2. Symbolization: Point, line and area symbol
3. Lettering and toponomy
4. Mechanics of map construction
5. Distribution maps
  - i) Qualitative distribution maps
    - Choroschematic maps
  - ii) Quantitative distribution Maps
    - Isopleth maps - 3 Exercises
    - Choropleth maps - 3 Exercises

### ***Suggested readings :***

1. Mishra RP and Ramesh A. 1999. Fundamentals of Cartography, Conect Publishing company, New Delhi.
2. Monkhouse FJ and Wilkinson HR. 1972. Maps and Diagrams, Methuen Press, London
3. Singh Gpal. 2004. Map work and Practical Geography, Vikas Publication House, New Delhi.
4. Singh RL. 1979. Elements of Practical Geograpy, Kalyani Publishers, New Delhi.
5. John R. Jensen, Remote Sensing of the Environment : An Earth Resource Prespective, Pearson Education, ( India Edition ) New Delhi 2009.
6. Lillesand and R.W. Kiefer, Remote Sensing and Image Interpretation, John Wiley and Sons, 1994.

### III B.A. Degree Examination at the end of V Semester

Subject : **GEOGRAPHY**

503 Maps and Diagrass, Practical ( w.e.f. 2017-2018)

Model Question Paper.

Maximum Marks : 50

Time : 3 Hours

**Ansner All the following questions.**

1. Write about the Principal of map design and layout. 10 M
2. Write about the distribution of map. 10 M
3. Draw a map of given India states population distribution by the dot method. 10 M
4. Viva 10 M
5. Record 10 M

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# **Paper 502 Interduction to Remote Sensing**

Maximum Marks : 100

External Assesment : 75

Internal Assesment : 25

Time : 3 Hours

*Note : Question 1 is compulosry and comprises of Eight short answer type questions to be answered in 15-20 words. There will be eight long questions, two from each section. The candidate has to answer one question from ech section. All five questions carry equal marks.*

## **UNIT - I**

1. Introduction to Remote Sensing, Definition, Basis of Remote sensing, Electromagnetic spectrum, stages in remote sensing.

## **UNIT - II**

1. Plantforms of Remote Sensing, type of satellites, Types of Sensors.

## **UNIT - III**

1. Types of Imageries and their application in various fields such as agriculture, environment and resource mapping.

## **UNIT -IV**

1. Introduction to Aerial Photographs: their advantages and types.
2. Elements of aerial Photo interpretation.

## **UNIT - V**

1. Applications of Remote Sensing techniques in Geographical aspects.

## **Suggested Readings :**

1. John R. Jensen 2009. Remote Sensing, of the Environment , An Earth Resource Perspective, Person Education, ( India Edition ) New Delhi,
2. Kumar Meenakshi 2001. Remote Sensing, NCERT, New Delhi,
3. Lillesand and R.W..Kiefer, 2005 . Remote Sensing, and Image Interpretation, John Wiley and Songs
4. Pritvish Nag, and M. Kudrat 1998. Digital Remote Sensing,, Concept Publishing Company, New Delhi,
5. M. Anji Reddy 2008. Text book of Remote sensing and Geographical Information systems, BS Publications, Hyderabad.
6. Telugu Academy . 2011 B.A./ B.Sc., Sudura Grahaka Sastram- Bowgolika samchara vyavasta.

### III B.A. Degree Examination at the end of V Semester

Subject : **GEOGRAPHY**

502 Paper - Interduction to Remote sensing

( w.e.f. 2017-2018)

Model Question Paper.

Maximum Marks : 75

Time : 3 Hours

#### Section - A

Answer any Four of the following questions.

5 x 5 = 25

1. Advantages of remote sensing
2. Geostationery satellites
3. Digital cameras
4. Types of aerial photographs
5. Remote sensing satellites
6. Passive sensors
7. Basic Remote sensing
8. What is platting remote Sensors.

#### Section - B

Answer any each section of the following questions

5 x 10 = 50

9. a) Define Remote Sensing, write abotu the electro magnetic spectrum in remote sensing. ? **(or)**  
b) Discuss about the sensors in Remote Sensing ?
10. a) Write about the different types of aerial cameras in remote sensing. **(or)**  
b) Give an account photographs types and their advantages.
11. a) Write about the remote sensing applications in various fields. **(or)**  
b) Discusses the history of remote sensing in India.
12. a) Types of sensors **(or)**  
b) Write about introduction arial photograpgs.
13. a) Write about the Electromagnetic spectrum stages in remote sensing **(or)**  
b) Type of Chaklets

# III B.A. Degree Examination at the end of V Semester

## Subject : GEOGRAPHY Practical Field Survey on Socio-Economic Aspects ( w.e.f. 2017-2018) Model Question Paper.

Maximum Marks : 50

Time : 3 Hours

### Syllabus for Fift Semester

#### I. Sruvey

1. Conducting Field Survey in Local area
2. Framing objectives
3. Collection of Fate - Primary /Secondary
4. Selection of Samples and Sampling Techniques
5. Analysis

#### II. Report Writing

Introduction, Statement of the Problem, Review of the literature, Methodology, Objective, Hypothesis, Study area, Interpretation, Summary and Conclusion and Bibliography.

#### Suggested Readings

1. Anatha Narayana Raman and Jaya Shree Nimmagadda. A hard book or Research Process.
2. Bajpal S.R. Methods of Social Survey and Research.
3. Gautham, N.C. Development of Resarch Tools.

### **III B.A. Degree Examination at the end of V Semester**

**Subject : GEOGRAPHY**

III B.A Degree Practical Examination at the end of V Semester

504 Paper - IV - Field Survey Socio- Economic Aspects

( w.e.f. 2017-2018)

Model Question Paper.

Maximum Marks : 50

Time : 3 Hours

Answer all the following questions.

1. Write about the Village primary data and secondary data. **10 M**
2. Selection of samples and sampling techniques in survey. **10 M**
3. Give an account on analysis of survey **10 M**
4. Viva **10 M**
5. Record. **10 M**

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