

DANTULURI NARAYANA RAJU COLLEGE(AUTONOMOUS)

(A College with Potential for Excellence)

Bhimavaram, W.G. Dist, A.P

Syllabus for the Academic Year 2013-14

Department :GEOGRAPHY
GEOGRAPHY

Class:I BA

Paper : IA FUNDAMENTELS OF PHYSICAL
Semester: I

Topics to be covered
Land and Sea Formation and Distribution
Theories, Isostasy, Continental Drift
Interior of the earth
Discuss the earth layers
Discuss the crust
Discuss the core and mantle
Discuss the Earthquakes, CAT-1
Causes of Earthquakes
Volcanoes, and different types of rocks
Process and Land form Development
River, flow and work-erosion, transportation, deposition-landforms
Wind air flow and work –erosion transportation, deposition –land forms -desert
Karst flow of underground water and work –solutions-erosion transportation deposition-land forms
Glacial types movements
Glacial work- erosion, transportation, deposition-land forms, CAT-II

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Syllabus for the Academic Year 2013-14

Department :GEOGRAPHY

Paper :FUNDAMENTELS OF PHYSICAL GEOGRAPHY

IB Class: I BA Semester:2

Climatology-Weather and climate, elements of weather
Atmosphere-structure and composition
Insolation-Factors influencing the incidence and distribution
Temperature- Horizontal and vertical distribution
Cyclones- formation distribution
Impacts tropical and temperature
Clouds types formation and potentials
Precipitation types ,formation
Distribution, Submarine relief- continental shelf
continental slope ,Abyssal plain, ocean deeps,CAT-1
Temperature Horizontal and vertical distribution
Salinity, factors, CAT-II
Salinity distribution
Waves and Tides types of formation
currents-types and Ocean factors responsible current of Atlantic
currents-types and Ocean factors responsible current of Atlantic

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Syllabus for the Academic Year 2013-14

Department :GEOGRAPHY

Paper : HUMAN AND ECONOMIC GEOGRAPHY-IIA

Class: 2BA

Semester:3

Nature and objectives of Human and Economic Geography
Man and Environment
Physical and cultural environments
Human activities
Primary ,secondary activities
Tertiary –quaternary
Resources ,Classification
Conservation of resources
Management of resources ,sustainability
World population, CAT-1
Growth and distribution
Demographic transition
Human migration types, causes
Consequences, of migration
Human settlements forms structure.
Function's and patterns
Urban and rural settlements
Urbanization –impact of urbanization, CAT-II

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Syllabus for the Academic Year 2013-14

Department :GEOGRAPHY

Paper : HUMAN AND ECONOMIC GEOGRAPHY IIB

Class: II BASEMESTER-4

Agriculture-crop pattern and production
Livestock development and distribution-dairying
Meat and woollen-fisheries
Major fishing grounds of the world production and trade
Forests types distribution
Forests products –wildlife
Minerals metallic –Iron ore ,coal non metallic –lime stone and mica
Fuels –coal, and petroleum location and potentials mining and trade
Industry-location factors, industrial location theory of Weber
Major industries –iron and steel company, CAT-1
Cotton and textile company
Transport roadways and railways, CAT-II
Water ways and airways
Trade- international trade
Major exports and imports
WTO and developing countries

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Syllabus for the Academic Year 2013-14

Department :GEOGRAPHY

Paper : REGIONAL GEOGRAPHY OF INDIA -IIIA

Class: III BA Semester:5

Physical setting: locational aspects and advantages
Major physical divisions
Discuss the Himalayas
Discuss the Ganga- Sindhu plain
Discuss the Deccan –plate and coastal plains
Drainage system
Himalayan rivers , peninsula rivers
Climate mechanism of Indian monsoons
Natural vegetation
Soils types, CAT-1
Conservation of soils
Population – growth
Population –distribution
Sex – ratio
Age structure and policies
Literacy rate –work force
Migration settlement patterns
Rural and urban growth urbanization, CAT-II

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Syllabus for the Academic Year 2013-14

Department :GEOGRAPHY

Paper :REGIONAL GEOGRAPHY OF INDIA -IIIB

Class: 3 BA Semester:6

Economic settings: Resources-land, water energy
Coal and petroleum Hydel ,thermal ,atomic and wind
Minerals –Iron ore, manganese ,copper ,mica
Utilization and conservation minerals
Agriculture-types-Irrigation
Land tenure and land reforms
Cropping pattern and green revolution, live stock and white revolution
Aqua culture problems of Indian agriculture
Industry-study of iron and steel ,cotton textile oil refineries, industrial regions, Transport-Roadways
railways, waterways ,airways,-growth and distribution,CAT-I
Regional development regions sharing of resources- effort of five year plans
Andhra Pradesh –Physical aspects – relief ;drainage, CAT-II
Climate ,vegetation soils
Resources base fuel mineral wealth
Population growth and distribution ,rural and urban population urbanization
Agriculture Irrigation development, major irrigation projects, cropping pattern production and potential

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Syllabus for the Academic Year 2013-14

Department :GEOGRAPHY

Paper : REMOTE SENSING AND GIS

IVA

Class: 3 BA

Semester:5

Remote sensing-basics of remote sensing
definition history advantages
Components of remote sensing
Energy- source ,energy-atmosphere interaction
Energy-matter interaction ,platforms, sensors ,data handling system
Data users-energy interaction with atmosphere and surface materials interaction of electromagnetic radiation
Atmosphere and with earth surface materials
Remote sensing platform and sensors and products
Remote sensing platforms, aircrafts and satellite- orbital characteristics of sun-synchronous earth resources
Satellites and geostationary- communication-special purpose satellites
Remote sensing sensors, types of sensors
Active and passive – farming systems,CAT-I
Scanning system-cameras
Single lens multiple lens strip and digital
scanners Films and filters
Cross track vs. a long-track.
Remote sensing in India
Development and growth and satellites, ,CAT-II

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Syllabus for the Academic Year 2013-14

Department :GEOGRAPHY Paper : REMOTE SENSING AND GEOGRAPHICAL INFORMATION

SYSTEMS-GIS-IVBClass: III BA

Semester:6

GIS-Definition- contributing disciplines-functions
Data capture / input, data storage ,data,, retrieval ,data analysis, data out put
Components of GIS ,hardware, and software components
Brain-ware components and organizational set up
Data input and editing; data types spatial and attribute data- raster and vector sources of GIS data
Methods of data input (keyboard entry, digitizing, scanning)-GPS and its applications
Data Base Management System definitions and functions data analysis and modelling
Data Conversion (Format structure medium conversion)
Special measurement (Counting, Measuring, Lengths and areas)
Reclassification, Buffering (point line area Doughnut), ,CAT-I
Overall analysis
Modelling Surfaces Modelling Networks , ,CAT-II
Remote sensing and GIS
Integration GIS
Urban/Agricultural
Land forms Studies

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Syllabus for the Academic Year 2014-15

Department :GEOGRAPHY

Paper : FUNDAMENTELS OF PHYSICAL GEOGRAPHY-

1A

Class: I BA

Semester:1

Land and Sea Formation and Distribution
Theories ,Isostasy, ContinentalDrift
Interior of the earth
Discuss the earth layers
Discuss the crust
Discuss the core and mantel
Discuss the Earthquakes
Causes of Earthquakes
Volcanoes, and different types of rocks
Process and Land form Development,CAT-1
River, flow and work-erosion, transportation, deposition-landforms
Wind air flow and work –erosion transportation, deposition –land forms -desert
Karst flow of underground water and work –solutions-erosion transportation deposition-land forms
Glacial types movements
Glacial work-erosion ,transportation, deposition-land forms, CAT-II

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Syllabus for the Academic Year 2014-15

Department :GEOGRAPHY

Paper :FUNDAMENTELS OF PHYSICAL GEOGRAPHY

IB Class: I BA Semester:2

Climatology-Weather and climate, elements of weather
Atmosphere-structure and composition
Insolation-Factors influencing the incidence and distribution
Temperature- Horizontal and vertical distribution
Cyclones- formation distribution
Impacts tropical and temperature
Clouds types formation and potentials, CAT-1
Precipitation types ,formation
Distribution
Submarine relief- continental shelf ,continental slope ,Abyssal plain, ocean deeps
Temperature Horizontal and vertical distribution
Salinity, factors
Salinity distribution
Waves and Tides types of formation
currents-types and Ocean factors responsible current of Atlantic, CAT-II
currents-types and Ocean factors responsible current of Atlantic

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Syllabus for the Academic Year 2014-15

Department :GEOGRAPHY

Paper : HUMAN AND ECONOMIC GEOGRAPHY-IIA

Class: 2BA Semester:3

Nature and objectives of Human and Economic Geography
Man and Environment
Physical and cultural environments
Human activities
Primary ,secondary activities
Tertiary –quaternary
Resources ,Classification
Conservation of resources
Management of resources ,sustainability
World population
Growth and distribution
Demographic transition
Human migration types, causes, CAT-1
Consequences, of migration
Human settlements forms structure.
Function's and patterns
Urban and rural settlements
Urbanization –impact of urbanization, CAT-II

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Syllabus for the Academic Year 2014-15

Department :GEOGRAPHY

Paper : HUMAN AND ECONOMIC GEOGRAPHY IIB

Class: II BA SEMESTER-4

Agriculture-crop pattern and production
Livestock development and distribution-dairying
Meat and woollen-fisheries
Major fishing grounds of the world production and trade
Forests types distribution
Forests products –wildlife
Minerals metallic –Iron ore ,coal non metallic –lime stone and mica,CAT-1
Fuels –coal, and petroleum location and potentials mining and trade
Industry-location factors, industrial location theory of Weber
Major industries –iron and steel company
Cotton and textile company
Transport roadways and railways
Water ways and airways
Trade- international trade
Major exports and imports, CAT-II
WTO and developing countries

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Syllabus for the Academic Year 2014-15

Department :GEOGRAPHY

Paper : REGIONAL GEOGRAPHY OF INDIA -IIIA

Class: 3 BA

Semester:5

Physical setting: locational aspects and advantages
Major physical divisions
Discuss the Himalayas
Discuss the Ganga- sindhu plain
Discuss the Deccan –plate and coastal plains
Drainage system
Himalayan rivers , peninsula rivers
Climate mechanism of Indian monsoons
Natural vegetation
Soils types
Conservation of soils
Population – growth
Population –distribution, CAT-1
Sex – ratio
Age structure and policies
Literacy rate –work force
Migration settlement patterns
Rural and urban growth urbanization, CAT-II

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Department :GEOGRAPHY

Paper :REGIONAL GEOGRAPHY OF INDIA -IIIB

Class: 3 BA

Semester:6

Economic settings: Resources-land, water energy
Coal and petroleum Hydel ,thermal ,atomic and wind
Minerals –Iron ore, manganese ,copper ,mica
Utilization and conservation minerals
Agriculture-types-Irrigation
Land tenure and land reforms
Cropping pattern and green revolution,CAT-I
live stock and white revolution ,Aqua culture problems of Indian agriculture
Industry-study of iron and steel ,cotton textile oil refineries, industrial regions
Transport-Roadways ,railways, waterways ,airways,-growth and distribution
Regional development regions sharing of resources- effort of five year plans
Andhra Pradesh –Physical aspects – relief ;drainage
Climate ,vegetation soils
Resources base fuel mineral wealth
Population growth and distribution ,rural and urban population urbanization, CAT-II
Agriculture Irrigation development, major irrigation projects, cropping pattern production and potential

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Syllabus for the Academic Year 2014-15

Department :GEOGRAPHY

Paper : REMOTE SENSING AND GIS -IVA

Class: III

BA

Semester:5

Remote sensing-basics of remote sensing
definition history advantages
Components of remote sensing
Energy- source ,energy-atmosphere interaction
Energy-matter interaction ,platforms, sensors ,data handling system
Data users-energy interaction with atmosphere and surface materials interaction of electromagnetic radiation
Atmosphere and with earth surface materials
Remote sensing platform and sensors and products
Remote sensing platforms, aircrafts and satellite- orbital characteristics of sun-synchronous earth resources
Satellites and geostationary- communication-special purpose satellites
Remote sensing sensors, types of sensors
Active and passive – farming systems
Scanning system-cameras, CAT-I
Single lens multiple lens strip and digital
scanners Films and filters
Cross track vs. a long-track.
Remote sensing in India
Development and growth and satellites, CAT-II

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Syllabus for the Academic Year 2014-15

Department :GEOGRAPHY Paper : REMOTE SENSING AND GEOGRAPHICAL INFORMATION
SYSTEMS-GIS-IVB Class: 3 BA Semester:6

GIS-Definition- contributing disciplines-functions
Data capture / input, data storage ,data,, retrieval ,data analysis, data out put
Components of GIS ,hardware, and software components
Brain-ware components and organizational set up
Data input and editing; data types spatial and attribute data- raster and vector sources of GIS data
Methods of data input (keyboard entry, digitizing, scanning)-GPS and its applications
Data Base Management System definitions and functions ,CAT-1
, data analysis and modelling Data Conversion (Format structure medium conversion)
Special measurement (Counting, Measuring, Lengths and areas)
Reclassification, Buffering (point line area Doughnut)
Overall analysis
Modelling Surfaces Modelling Networks
Remote sensing and GIS
Integration GIS
Urban/Agricultural , CAT-II
Land forms Studies

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Syllabus for the Academic Year 2015-16

Department :GEOGRAPHY

Paper :GEOGRAPHY OF INDIA -IA

Class: I BA

SEMESTER-1

India ; location ,relief structure
Drainage systems
Discuss the Himalayan rivers
Discuss the peninsula rivers
Climate
Soils
Discuss the types of soils
Natural vegetation
Population , distribution,density,growth and composition, CAT-I
Migration human settlement types and urbanization
Land resources ,irrigation regional variations in cropping pattern ,green revolution, and problems of Indian agriculture
Energy and mineral resources- coal ,petroleum ,hydroelectricity and nuclear energy
Iron ore manganese, and mica, industries-iron and steel cotton textile
Sugar petrochemical industries and industrial regions of India
Modes of transport and communication, international trade , , CAT-II

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Syllabus for the Academic Year 2015-16

Department :GEOGRAPHY

Paper : PHYSICAL GEOGRAPHY-I (IB)

Class: I BA

Semester:2

Definition, nature scope and physical Geography
Geological time scale
Discuss the rocks
Types of rocks
Igneous rocks , sedimentary rocks ,and metamorphic rocks
Earth movements organic , epeirogenic earth quakes
Volcanoes, , CAT-I
Wegner theory, of continental drift and plate tectonic theory
Weathering causes and its types
Mass-movements ,causes its types and impacts
Concept of cycle of erosion
Cycle of erosion by W.M Davis, , CAT-II
Process of wind, River
Underground water, glaciers
Sea waves
Revision

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Syllabus for the Academic Year 2014-15

Department :GEOGRAPHY

Paper : HUMAN AND ECONOMIC GEOGRAPHY-IIA

Class: IIBA

Semester:3

Nature and objectives of Human and Economic Geography
Man and Environment
Physical and cultural environments
Human activities
Primary ,secondary activities
Tertiary –quaternary
Resources ,Classification
Conservation of resources
Management of resources ,sustainability
World population
Growth and distribution
Demographic transition, CAT-1
Human migration types, causes
Consequences, of migration
Human settlements forms structure.
Function's and patterns
Urban and rural settlements
Urbanization –impact of urbanization, CAT-II

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Syllabus for the Academic Year 2015-16

Department :GEOGRAPHY

Paper : HUMAN AND ECONOMIC GEOGRAPHY IIB

Class: II BA SEMESTER-4

Agriculture-crop pattern and production
Livestock development and distribution-dairying
Meat and woollen-fisheries
Major fishing grounds of the world production and trade
Forests types distribution
Forests products –wildlife
Minerals metallic –Iron ore ,coal non metallic –lime stone and mica,CAT-1
Fuels –coal, and petroleum location and potentials mining and trade
Industry-location factors, industrial location theory of Weber
Major industries –iron and steel company
Cotton and textile company
Transport roadways and railways, CAT-II
Water ways and airways
Trade- international trade
Major exports and imports
WTO and developing countries

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Syllabus for the Academic Year 2015-16

Department :GEOGRAPHY

Paper : REGIONAL GEOGRAPHY OF INDIA -IIIA

Class: III BA

Semester:5

Physical setting: locational aspects and advantages
Major physical divisions
Discuss the Himalayas
Discuss the Ganga- sindhu plain
Discuss the Deccan –plate and coastal plains
Drainage system
Himalayan rivers , peninsula rivers
Climate mechanism of Indian monsoons
Natural vegetation
Soils types
Conservation of soils
Population – growth, CAT-1
Population –distribution
Sex – ratio
Age structure and policies
Literacy rate –work force
Migration settlement patterns
Rural and urban growth urbanization, CAT-II

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Syllabus for the Academic Year 2015-16

Department :GEOGRAPHY

Paper :REGIONAL GEOGRAPHY OF INDIA -IIIB

Class: III BA

Semester:6

Economic settings: Resources-land, water energy
Coal and petroleum Hydel ,thermal ,atomic and wind
Minerals –Iron ore, manganese ,copper ,mica
Utilization and conservation minerals
Agriculture-types-Irrigation
Land tenure and land reforms
Cropping pattern and green revolution,CAT-I
live stock and white revolution ,Aqua culture problems of Indian agriculture
Industry-study of iron and steel ,cotton textile oil refineries, industrial regions
Transport-Roadways ,railways, waterways ,airways,-growth and distribution
Regional development regions sharing of resources- effort of five year plans
Andhra Pradesh –Physical aspects – relief ;drainage, CAT-II
Climate ,vegetation soils
Resources base fuel mineral wealth
Population growth and distribution ,rural and urban population urbanization
Agriculture Irrigation development, major irrigation projects, cropping pattern production and potential

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Syllabus for the Academic Year 2015-16

Department :GEOGRAPHY

Paper : REMOTE SENSING AND GIS -IVA

Class: III

BA

Semester:5

Remote sensing-basics of remote sensing
definition history advantages
Components of remote sensing
Energy- source ,energy-atmosphere interaction
Energy-matter interaction ,platforms, sensors ,data handling system
Data users-energy interaction with atmosphere and surface materials interaction of electromagnetic radiation
Atmosphere and with earth surface materials
Remote sensing platform and sensors and products
Remote sensing platforms, aircrafts and satellite- orbital characteristics of sun-synchronous earth resources
Satellites and geostationary- communication-special purpose satellites
Remote sensing sensors, types of sensors
Active and passive – farming systems, CAT-I
Scanning system-cameras
Single lens multiple lens strip and digital
scanners Films and filters
Cross track vs. a long-track.
Remote sensing in India
Development and growth and satellites, CAT-II

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Syllabus for the Academic Year 2015-16

Department :GEOGRAPHY Paper : REMOTE SENSING AND GEOGRAPHICAL INFORMATION
SYSTEMS-GIS-IVB Class: 3 BA Semester:6

GIS-Definition- contributing disciplines-functions
Data capture / input, data storage ,data,, retrieval ,data analysis, data out put
Components of GIS ,hardware, and software components
Brain-ware components and organizational set up
Data input and editing; data types spatial and attribute data- raster and vector sources of GIS data
Methods of data inputs-GPS and its applications
Data Base Management System definitions and functions ,CAT-1
, data analysis and modelling Data Conversion (Format structure medium conversion)
Special measurement (Counting, Measuring, Lengths and areas)
Reclassification, Buffering (point line area Doughnut)
Overall analysis
Modelling Surfaces Modelling Networks , CAT-II
Remote sensing and GIS
Integration GIS
Urban/Agricultural
Land forms Studies

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Syllabus for the Academic Year 2016-17

Department : **GEOGRAPHY**

Paper : GEOGRAPHY OF INDIA-1A

Class: I

B.A

Semester: I

India, location, Relief structure
Introduction to India location, Division of India
India Climate, Discussion the Drainage System
Different Types of soils ,India Natural vegetation
Discussion the Population
Population Distribution
India Density,CAT-1
Migration Human Settlement types and urbanization
Land Resources Irrigation ,cropping pattern
Green revolution
Problems of Indian agriculture, Discuss the minerals , coal petroleum
hydroelectricity and nuclear energy
Types of iron ore manganese and mica, , CAT-II
Iron and steel industry cotton textile sugar petrochemical industries

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Syllabus for the Academic Year 2016-17

Department : GEOGRAPHY

Class:I B.A

Paper :PHYSICAL GEOGRAPHY(1)-IB

Semester:2

Introduction to physical Geography
Nature of physical Geography
Scope of Physical Geography
Geological time scale Different types of Rocks
Earth movements earth quakes and volcanoes
Wegner theory Continental drift , CAT-1
Weathering causes and its types
Mass-movements causes its types and impacts
Holidays
Discuss the chemical weathering ,Discuss the physical weathering
Cycle of Erosion
Wind Erosion
River Erosion, CAT-II
Underground water Erosion
Discuss the Glaciers
Seawaves

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Syllabus for the Academic Year 2016-17

Department : GEOGRAPHY

Paper :PHYSICAL GEOGRAPHY(2)- 2A

Class: II B.A

Semester:3

Introduction to Weather and Climate
Origin of Weather structure of Atmosphere
Composition of Weather
Discuss the Insolation
Global heat budget
Horizontal and vertical distribution of temperature
Inversion of temperature
Atmospheric pressure
Measurement and distribution
Discuss the pressure belts
Planetary winds, CAT-1
Monsoon and local winds
Humidity
Discuss the evaporation
Discuss the condensation
Precipitation ,tides,waves,ocean currents
Types of precipitation ,CAT-II
Climate classification ,temperature and salinity of ocean

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Syllabus for the Academic Year 2016-17

Department : GEOGRAPHY

Paper :HUMAN GEOGRAPHY-2B

Class: II

B.A

Semester:4

Introduction to human geography
Human geography definition
Nature of human geography
Scope of human geography, Historical development of human geography
Division of mankind
Spatial distribution of races and tribes of India, CAT-I
Discuss the Tribals
Concept of man-environment relation
Holidays
Human adaption to the environment ,Cold region-Eskimo
Hot region-Bushman, Plateau- Gonds
Mountains- Gujjars
Discuss the resources, definition of resource, nature of resource, CAT-II
Classification of resource renewable- non renewable
Biotic and abiotic resources, recyclable and non- recyclable
Distribution and density of the world population, population growth

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Syllabus for the Academic Year 2016-17

Department : GEOGRAPHY

Class: III B.A

Paper :REGIONAL GEOGRAPHY OF INDIA-3A

Semester:5

Physical settings
Locational aspects and advantages
Major physical divisions
Discuss the Himalayas
Discuss the ganga-Sindh plain
Drainage system
Himalayan rivers
Peninsula rivers
Discuss the climate
Mechanism of Indian monsoons
Natural vegetation
Types of soils
Population-Growth
Distribution of population
Sex Ratio,age-structure problems & policies, literacy rate.
Work force, migration settlement patterns
Rural and urban growth urbanisation
Rural and urban growth urbanisation

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Syllabus for the Academic Year 2017-18

Department :GEOGRAPHY Paper : INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEM-
3B(ELE) Class: IIIB.A Semester:6

Introduction to geographical information system
Definitions and advantages
History of GIS
Software and hard ware requirements
Classifications of Software
CAT-1
Classifications of hard ware
Data capture
Holidays
INPUT /data storage,Retrieval, analysis and output
GIS data types spatial
Attribute data –raster and vector data structure
GPS, definition, CAT-II
GPS, satellites and its applications
Remote sensing and GIS integration
Applications of GIS, in various fields of geography

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Syllabus for the Academic Year 2017-18

Department :GEOGRAPHY

Paper :INTRODUCTION TO REMOTE SENSING-4A

Class: III B.A

Semester:5

Introduction to remote sensing
Introduction to remote sensing
Remote sensing definition
Basics of remote sensing
Basics of remote sensing
Electromagnetic spectrum
Electromagnetic spectrum
Stages in remote sensing
Platforms of remote sensing
Platforms of remote sensing
Types of satellites , CAT-I
Types of sensors
Types of imageries and their application in various fields such as agriculture ,
Types of imageries and their application in various fields such as environment
Types of imageries and their application in various fields such as resource mapping
Introduction to Aerial photographs their advantages and types
CAT-II
Element of aerial photo interpretation

DANTULURI NARAYANA RAJU COLLEGE(AUTONOMOUS)

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Bhimavaram, W.G.Dist, A.P

Syllabus for the Academic Year 2017-18

Department :GEOGRAPHY

Class: III B.A

Paper :REGIONAL GEOGRAPHY OF ASIA-4B(CLU-1)

Semester:6

Location and relief of Asia
Structure of Asia, Asia boundaries
Climate of Asia
Climate of Asia
Drainage system in Asia
Major rivers in Asia, CAT-I
Soils in Asia
Major soils in Asia
Soils
Distribution of block soils ,Conservation of soils
Natural vegetation
Types of forests
Advantages of forests types of agriculture crops,
Distribution of paddy and wheat crops, mineral wealth, iron-ore ,coal, and petroleum, CAT-II
Industries, shipbuilding, petrochemical
Population distribution in Asia, transportation in Asia

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Syllabus for the Academic Year 2017-18

Department :GEOGRAPHY

Paper :SOUTH EAST ASIA-4B_{II}(CLU-2)

Class: III B.A

Semester:6

Location of South East Asia
Structure of South East Asia, Relief and Boundaries of South East Asia
Climate of South East Asia
Vegetation of South East Asia
Climate of South East Asia
Vegetation of South East Asia, CAT-I
Types of Vegetation, Advantages of Vegetation
Regional Geography of Thailand
Holidays
Location &Relief Structure of Thailand, Regional Geography of Indonesia, Location & Relief
Regional Geography of Malaysia
Location, Relief of Malaysia
Agricultural crops in South East Asia
Population in South East Asia, CAT-II
Mineral Wealth(iron-ore, coal & petroleum) in South East Asia
Industries , Distribution in South East Asia

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Syllabus for the Academic Year 2017-19

Department :: GEOGRAPHY

Paper : SOUTH WEST ASIA-4B_{III}(CLU-3)

Class: III B.A

Semester:6

Location of South West Asia
Structure of South West Asia, Relief and Boundaries of South West Asia
Climate of South West Asia
Vegetation of South West Asia
Climate of South West Asia
Vegetation of South West Asia, CAT-I
Types of Vegetation, Advantages of Vegetation
Agricultural Crops
Holidays
Location of Iran, Relief Structure of Iran ,Regional Geography of Iraq, Location & Relief
Regional Geography of Afghanistan
Location, Relief of Afghanistan
Irrigation facilities in South West Asia
Population in South West Asia, CAT-II
Mineral Wealth(iron-ore, coal & petroleum) in South West Asia
Oil Resource in South West Asia

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Syllabus for the Academic Year 2017-18

Department : **GEOGRAPHY**

Paper : GEOGRAPHY OF INDIA-1A

Class: I

B.A Semester:1

India, location, Relief structure
Introduction to India location, Division of India
India Climate, Discussion the Drainage System
Different Types of soils ,India Natural vegetation
Discussion the Population
Population Distribution
India Density,CAT-1
Migration Human Settlement types and urbanization
Land Resources Irrigation ,cropping pattern
Green revolution
Problems of Indian agriculture, Discuss the minerals , coal petroleum
hydroelectricity and nuclear energy
Types of iron ore manganese and mica, , CAT-II
Iron and steel industry cotton textile sugar petrochemical industries

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Syllabus for the Academic Year 2017-18

Department : GEOGRAPHY

Class:I B.A

Paper :PHYSICAL GEOGRAPHY(1)-IB

Semester:2

Introduction to physical Geography
Nature of physical Geography
Scope of Physical Geography
Geological time scale Different types of Rocks
Earth movements earth quakes and volcanoes
Wegner theory Continental drift , CAT-1
Weathering causes and its types
Mass-movements causes its types and impacts
Holidays
Discuss the chemical weathering ,Discuss the physical weathering
Cycle of Erosion
Wind Erosion
River Erosion, CAT-II
Underground water Erosion
Discuss the Glaciers
Seawaves

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Syllabus for the Academic Year 2017-18

Department : GEOGRAPHY

Paper :PHYSICAL GEOGRAPHY(2)- 2A

Class: II B.A

Semester:3

Introduction to Weather and Climate
Origin of Weather structure of Atmosphere
Composition of Weather
Discuss the Insolation
Global heat budget
Horizontal and vertical distribution of temperature
Inversion of temperature
Atmospheric pressure
Measurement and distribution
Discuss the pressure belts
Planetary winds, CAT-1
Monsoon and local winds
Humidity
Discuss the evaporation
Discuss the condensation
Precipitation ,tides,waves,ocean currents
Types of precipitation ,CAT-II
Climate classification ,temperature and salinity of ocean

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Syllabus for the Academic Year 2017-18

Department : GEOGRAPHY

Paper :HUMAN GEOGRAPHY-2B

Class: II

B.A

Semester:4

Introduction to human geography
Human geography definition
Nature of human geography
Scope of human geography, Historical development of human geography
Division of mankind
Spatial distribution of races and tribes of India, CAT-I
Discuss the Tribals
Concept of man-environment relation
Holidays
Human adaption to the environment ,Cold region-Eskimo
Hot region-Bushman, Plateau- Gonds
Mountains- Gujjars
Discuss the resources, definition of resource, nature of resource, CAT-II
Classification of resource renewable- non renewable
Biotic and abiotic resources, recyclable and non- recyclable
Distribution and density of the world population, population growth

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Syllabus for the Academic Year 2017-18

Department : GEOGRAPHY

Paper :ECONOMIC GEOGRAPHY-3A

Class: III

B.A

Semester:5

Introduction to economic geography
Economic geography definition
Nature of economic geography
Scope of economic geography, relationship of economic geography with economics and other branches of social sciences
Classification of economic activities and their impact on environment
Primary activities
Secondary activities and territory activities
World natural resources types bases and classification
Conservation and utilization of natural resources
Special distribution of food crops ,rice ,wheat
Commercial crops cotton and sugarcane, CAT-I
Plantation crops tea rubber and coffee
Ferrous and nonferrous resources distribution and production of coal, iron ore
petroleum , and natural gas
Classification of industries world distribution and production of iron and steel industry
Cotton textile industry major industrial complexes of the world
Transport communication and trade, CAT-II
Geographical factors in their development major modes of water land and air transport

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Syllabus for the Academic Year 2017-18

Department :GEOGRAPHY
3B(ELE) Class: IIIB.A

Paper : INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEM-
Semester:6

Topics to be covered
Introduction to geographical information system
Definitions and advantages
History of GIS
Software and hard ware requirements
Classifications of Software
Classifications of hard ware
Data capture
INPUT /data storage,Retrieval, analysis and output
GIS data types spatial
Attribute data –raster and vector data structure
GPS, definition, CAT-II
GPS, satellites and its applications
Remote sensing and GIS integration
Applications of GIS, in various fields of geography

DANTULURI NARAYANA RAJU COLLEGE(AUTONOMOUS)

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Syllabus for the Academic Year 2017-18

Department :GEOGRAPHY

Paper :INTRODUCTION TO REMOTE SENSING-4A

Class: III B.A

Semester:5

Introduction to remote sensing
Introduction to remote sensing
Remote sensing definition
Basics of remote sensing
Basics of remote sensing
Electromagnetic spectrum
Electromagnetic spectrum
Stages in remote sensing
Platforms of remote sensing
Platforms of remote sensing
Types of satellites , CAT-I
Types of sensors
Types of imageries and their application in various fields such as agriculture ,
Types of imageries and their application in various fields such as environment
Types of imageries and their application in various fields such as resource mapping
Introduction to Aerial photographs their advantages and types
Element of aerial photo interpretation

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Syllabus for the Academic Year 2017-18

Department :GEOGRAPHY

Class: III B.A

Paper :REGIONAL GEOGRAPHY OF ASIA-4B(CLU-1)

Semester:6

Location and relief of Asia
Structure of Asia, Asia boundaries
Climate of Asia
Climate of Asia
Drainage system in Asia
Major rivers in Asia, CAT-I
Soils in Asia
Major soils in Asia
Soils
Distribution of block soils ,Conservation of soils
Natural vegetation
Types of forests
Advantages of forests types of agriculture crops,
Distribution of paddy and wheat crops, mineral wealth, iron-ore ,coal, and petroleum, CAT-II
Industries, shipbuilding, petrochemical
Population distribution in Asia, transportation in Asia

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Syllabus for the Academic Year 2017-18

Department :GEOGRAPHY

Paper :SOUTH EAST ASIA-4B_{II}(CLU-2)

Class: III B.A

Semester:6

Location of South East Asia
Structure of South East Asia, Relief and Boundaries of South East Asia
Climate of South East Asia
Vegetation of South East Asia
Climate of South East Asia
Vegetation of South East Asia, CAT-I
Types of Vegetation, Advantages of Vegetation
Regional Geography of Thailand
Holidays
Location &Relief Structure of Thailand, Regional Geography of Indonesia, Location & Relief
Regional Geography of Malaysia
Location, Relief of Malaysia
Agricultural crops in South East Asia
Population in South East Asia, CAT-II
Mineral Wealth(iron-ore, coal & petroleum) in South East Asia
Industries , Distribution in South East Asia

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Syllabus for the Academic Year 2017-19

Department :: GEOGRAPHY

Paper : SOUTH WEST ASIA-4B_{III}(CLU-3)

Class: III B.A

Semester:6

Location of South West Asia
Structure of South West Asia, Relief and Boundaries of South West Asia
Climate of South West Asia
Vegetation of South West Asia
Climate of South West Asia
Vegetation of South West Asia, CAT-I
Types of Vegetation, Advantages of Vegetation
Agricultural Crops
Holidays
Location of Iran, Relief Structure of Iran ,Regional Geography of Iraq, Location & Relief
Regional Geography of Afghanistan
Location, Relief of Afghanistan
Irrigation facilities in South West Asia
Population in South West Asia, CAT-II
Mineral Wealth(iron-ore, coal & petroleum) in South West Asia
Oil Resource in South West Asia

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Syllabus for the Academic Year 2018-19

Department : **GEOGRAPHY**

Paper : GEOGRAPHY OF INDIA-1A

Class: I

B.A

Semester:1

India, location,Relief structure
Introduction to India location,Division of India
India Climate,Discussion the Drainage System
Different Types of soils,India Natural vegetation
Discussion the Population
Population Distribution
India Density,CAT-1
Migration Human Settlement types and urbanization
Land Resources Irrigation ,cropping pattern
Green revolution
Problems of Indian agriculture,Discuss the minerals , coal petroleum
hydroelectricity and nuclear energy, CAT-II
Types of iron ore manganese and mica
Iron and steel industry cotton textile sugar petrochemical industries

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Syllabus for the Academic Year 2018-19

Department : GEOGRAPHY

Class:I B.A

Paper :PHYSICAL GEOGRAPHY(1)-IB

Semester:2

Introduction to physical Geography
Nature of physical Geography
Scope of Physical Geography
Geological time scale Different types of Rocks
Earth movements earth quakes and volcanoes
Wegner theory Continental drift
Weathering causes and its types
Mass-movements causes its types and impacts, CAT-1
Holidays
Discuss the chemical weathering,Discuss the physical weathering
Cycle of Erosion
Wind Erosion
River Erosion
Underground water Erosion
Discuss the Glaciers , CAT-II
Seawaves

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Syllabus for the Academic Year 2018-19

Department : GEOGRAPHY

Paper :PHYSICAL GEOGRAPHY(2)- 2A

Class: II B.A

Semester:3

Introduction to Weather and Climate
Origin of Weather structure of Atmosphere
Composition of Weather
Discuss the Insolation
Global heat budget
Horizontal and vertical distribution of temperature
Inversion of temperature
Atmospheric pressure
Measurement and distribution
Discuss the pressure belts
Planetary winds, CAT-1
Monsoon and local winds
Humidity
Discuss the evaporation
Discuss the condensation
Precipitation ,tides,waves,ocean currents, CAT-II
Types of precipitation
Climate classification ,temperature and salinity of ocean

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Syllabus for the Academic Year 2018-19

Department : GEOGRAPHY

Paper :HUMAN GEOGRAPHY-2B

Class: II

B.A

Semester:4

Introduction to human geography
Human geography definition
Nature of human geography
Scope of human geography, Historical development of human geography
Division of mankind
Spatial distribution of races and tribes of India
Discuss the Tribals
Concept of man-environment relation, CAT-I
Holidays
Human adaption to the environment,Cold region-Eskimo
Hot region-Bushman, Plateau- Gonds
Mountains- Gujjars
Discuss the resources, definition of resource, nature of resource
Classification of resource renewable- non renewable
Biotic and abiotic resources, recyclable and non- recyclable , CAT-II
Distribution and density of the world population, population growth

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Syllabus for the Academic Year 2018-19

Department : GEOGRAPHY

Paper :ECONOMIC GEOGRAPHY-3A

Class: III

B.A

Semester:5

Introduction to economic geography
Economic geography definition
Nature of economic geography
Scope of economic geography, relationship of economic geography with economics and other branches of social sciences
Classification of economic activities and their impact on environment
Primary activities
Secondary activities and territory activities
World natural resources types bases and classification
Conservation and utilization of natural resources
Special distribution of food crops ,rice ,wheat
Commercial crops cotton and sugarcane, CAT-I
Plantation crops tea rubber and coffee
Ferrous and nonferrous resources distribution and production of coal, iron ore
petroleum , and natural gas
Classification of industries world distribution and production of iron and steel industry
Cotton textile industry major industrial complexes of the world, CAT-II
Transport communication and trade
Geographical factors in their development major modes of water land and air transport

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Syllabus for the Academic Year 2018-19

Department :GEOGRAPHY Paper : INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEM-
3B(ELE) Class: IIIB.A Semester:6

Definitions and advantages
History of GIS
Software and hard ware requirements
Classifications of Software
Classifications of hard ware
Data capture
CAT-1
Holidays
INPUT /data storage,Retrieval, analysis and output
GIS data types spatial
Attribute data –raster and vector data structure
GPS, definition,
GPS, satellites and its applications
Remote sensing and GIS integration, CAT-II
Applications of GIS,in various fields of geography

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Syllabus for the Academic Year 2018-19

Department :GEOGRAPHY

Paper :INTRODUCTION TO REMOTE SENSING-4A

Class: III B.A

Semester:5

Topics to be covered

Introduction to remote sensing
Introduction to remote sensing
Remote sensing definition
Basics of remote sensing
Basics of remote sensing
Electromagnetic spectrum
Electromagnetic spectrum
Stages in remote sensing
Platforms of remote sensing
Platforms of remote sensing
Types of satellites , CAT-I
Types of sensors
Types of imageries and their application in various fields such as agriculture ,
Types of imageries and their application in various fields such as environment
Types of imageries and their application in various fields such as resource mapping
Introduction to Aerial photographs their advantages and types
Element of aerial photo interpretation

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Syllabus for the Academic Year 2018-19

Department :GEOGRAPHY

Paper :REGIONAL GEOGRAPHY OF ASIA-4B(CLU-1)

Class: III B.A

Semester:6

Topics to be covered
Location and relief of Asia
Structure of Asia, Asia boundaries
Climate of Asia
Climate of Asia
Drainage system in Asia
Major rivers in Asia
Soils in Asia
Major soils in Asia, CAT-I
Soils in Asia
Distribution of block soils ,Conservation of soils
Natural vegetation
Types of forests
Advantages of forests types of agriculture crops,
Distribution of paddy and wheat crops, mineral wealth, iron-ore ,coal, and petroleum
Industries, shipbuilding, petrochemical,CAT-II
Population distribution in Asia, transportation in Asia

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Syllabus for the Academic Year 2018-19

Department :GEOGRAPHY

Paper :SOUTH EAST ASIA-4B_{II}(CLU-2)

Class: III B.A

Semester:6

Location of South East Asia
Structure of South East Asia, Relief and Boundaries of South East Asia
Climate of South East Asia
Vegetation of South East Asia
Climate of South East Asia
Vegetation of South East Asia
Types of Vegetation, Advantages of Vegetation
Regional Geography of Thailand ,CAT-I
Holidays
Location&Relief Structure of Thailand, Regional Geography of Indonesia, Location & Relief
Regional Geography of Malaysia
Location, Relief of Malaysia
Agricultural crops in South East Asia
Population in South East Asia
Mineral Wealth(iron-ore, coal & petroleum) in South East Asia,CAT-II
Industries , Distribution in South East Asia

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Syllabus for the Academic Year 2018-19

Department :: GEOGRAPHY

Paper : SOUTH WEST ASIA-4B_{III}(CLU-3)

Class: III B.A

Semester:6

Topics to be covered
Location of South West Asia
Structure of South West Asia, Relief and Boundaries of South West Asia
Climate of South West Asia
Vegetation of South West Asia
Climate of South West Asia
Vegetation of South West Asia
Types of Vegetation, Advantages of Vegetation
Agricultural Crops, CAT-I
Holidays
Location of Iran, Relief Structure of Iran ,Regional Geography of Iraq, Location & Relief
Regional Geography of Afghanistan
Location, Relief of Afghanistan
Irrigation facilities in South West Asia
Population in South West Asia
Mineral Wealth(iron-ore, coal & petroleum) in South West Asia,CAT-II
Oil Resource in South West Asia