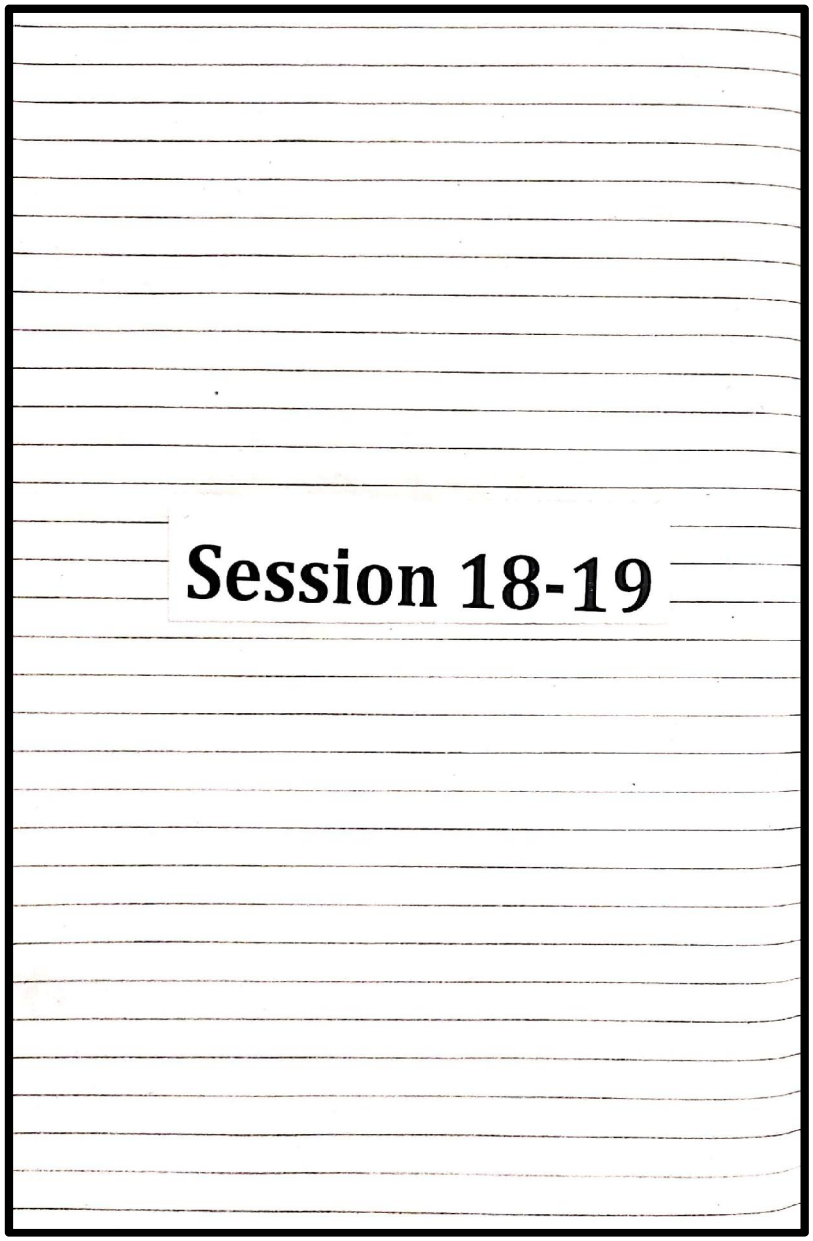
SOPHIA GIRLS' COLLEGE(AUTONOMOUS), AJMER


Session 18-19

SOPHIA GIRLS' COLLEGE, AJMER (*Autonomous*)
B.A SEMESTER III
ECONOMIC GEOGRAPHY-I (PAPER I) (GEO-301)

Max. Marks : 75 (50Ext; 25 Int) **Min. Marks: 30(20 Ext;10 Int)** **Credit: 03** **Duration: $2^{1/2}$ hrs**

COURSE PLAN

SEM/ Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Distribution
SEM I JULY	**UNIT I** Introduction: Definition, Nature, Scope and recent trends of economic geography, its relation with allied subjects;	Development in economic geography.	PPT, Chart, Flow charts.	Analyze the impact of economic activities on environment.	*Knowledge Based* Explain the nature and scope of economic geography.	
	Classification of economies, Sectors of economy-primary, secondary and tertiary;	Public sector, private sector, industrialisation.	Match the following, Quiz,			
	The impact of economic activities on environment.	Pollution, Sustainable management of resources.	Maps, Flow Charts		*Understanding Based* Discuss the importance of classification of economies.	Knowle dge--50
AUGUST	**UNIT II** Natural Resource Classification: Introduction to Renewable and Non-renewable resources;	Gift of nature, Concept of resources.	Diagrams, Models, Flow charts.	Classify the different types of resources and practice conservation with possible solutions.		Underst
	Conservation of resources; Changing nature of economic activities: forestry, agriculture and industrial activities;	Agro-forestry, Subsistence agriculture, truck farming.	Diagrams, Models,			
	Soil and major soil types.	Entisols, Inceptisols.	Maps, Diagrams, Models, PPT.		*Higher Order Thinking Skills Based* Summarize the relevance of Von Thunen's Agricultural Model.	anding- 35
SEPTEMBER-OCTOBER	**UNIT III** Agriculture: Land use and Locational theory by Von Thunen;	Land-use pattern, Locational Rent.	PPT, Case Studies, Flipped Classroom	Critically evaluate the land use by location theory of Von Thunen and compare agricultural regions of the world.		Higher Order-
	Principal crops- rice, wheat, sugarcane, cotton, tea, coffee and rubber; Agricultural regions of the world by Whittlesey;	Agricultural Typologies of the world	PPT, Demonstration, Maps.			
	Forest types and their products.	Agro-forestry, Community forestry.	PPT, Case Studies, Maps.			

PRINCIPAL
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS)
AJMER

Deptt. of Geography
Sophia Girls College, Ajmer

SOPHIA GIRLS' COLLEGE, AJMER (*Autonomous*)

B.A SEMESTER V

ENVIRONMENT GEOGRAPHY- (PAPER I) (GEO-501)

Max. Marks : 75 (50Ext; 25 Int) **Min. Marks: 30(20 Ext;10 Int)** **Credit: 03** **Duration: $2^{1/2}$ hrs**

COURSE PLAN

SEM/ Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Distribution
SEM I JULY	**UNIT I** Definition, Scope and Importance of Environment Geography; Elements of Environment: Physical and Cultural;	ecological niche, succession	PPT, Chart, Maps, Quiz, Demonstration.	Recall and relate the elements of environment which are impacting the climate and present surroundings.	*Knowledge Based* 1. Distinguish the physical and cultural elements of environmental geography. 2. Elaborate man and environment relationship. *Understanding Based* 3. Critically evaluate the conservation of water as a resource. 4. Classify the different kinds of disasters related to water. *Higher Order Thinking Skills Based* 5. Justify the present scenario of growing energy needs. 6. Critically evaluate the concepts of Desertification.	Knowledge—40 Understanding-35 Higher Order-25
	Approaches of Environmental Study: Determinism, Possibilism, Neo Determinism & Ecological; Relation between Man and Nature;	early human activities.	Match the following, Quiz			
	Forest as a Resource: Use and over-exploitation, Deforestation, Forest policy of India.	Ecological certification.	Maps, Flow Charts			
AUGUST	**UNIT II** Water as a Resource: Surface and Ground water, Its use and over-utilization;	Scarcity of water, pollution.	Diagrams, Models, charts.	Prioritize the need and importance of conserve resources.		
	Disasters related: Floods, Drought, Dams- Benefits and problems, Case study of Kariba dam (Zimbabwe) and Tehri dam (India);	Concrete dams, gravity dams, flash floods, soil erosion.	PPT, Case Studies, Flipped Classroom			
	Mineral as a Resource: Use and exploitation, environmental effects of extracting and using mineral resources.	Ores, drilling, open shaft drilling.	Maps, Diagrams, Models.			
SEPTEMBER-OCTOBER	**UNIT III** Energy as a Resource: Growing energy needs; Renewable and Non Renewable energy sources, Use of alternate energy sources;	Energy needs, sustainability, concept of clean energy.	Diagrams, Models, demonstration through Globe	Prioritize the importance and the need to conserve Land resource.		
	Land as a Resource: Land degradation, Soil erosion and Desertification, Conservation of conventional energy resources;	Water logging, salinization, Concept of 3 R's.	PPT, Demonstration through flow charts,			
	Development of non-conventional energy resources according to five year plans in India.	Environmental Planning in India, SDG.	PPT, Case Studies.			

PRINCIPAL
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS)
AJMER

Deptt. of Geography
Sophia Girls College, Ajmer

SOPHIA GIRLS' COLLEGE, AJMER (*Autonomous*)

M. A/M.Sc GEOGRAPHY (Previous) SEMESTER I

GEOMORPHOLOGY (GEOM-102)

Max Marks: 100(70Ext; 30 Int) **Min. Marks: 40 (28 Ext;12 Int)**

Credit: 06 **Duration: 03 hrs.**

COURSE PLAN

SEM/ Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	**UNIT I** Nature and Scope; Fundamental Concepts; Forces of the Earth;	Uniformatism, Composition of the earth.	PPT, Chart, Maps, Visual Models.	Identify and discuss the fundamental concepts, incidences and occurrences of seismology and vulcanicity, plate tectonics and isostacy.	*Knowledge Based* Illustrate the fundamental concepts of geography.	
	Plate Tectonics; Theories of Isostasy;	Law of Floatation, Buoyancy, Magnetism.	Match the following, Demonstration			
	Seismicity and Vulcanicity: Causes, consequences & associated features.	Paleo-magnetism, P-S Waves	Maps, Flow Charts		*Understanding Based* Analyze the mountain building theories.	Knowledge--40 Understanding-30
AUGUST	**UNIT II** Mountain Building: Continental Drift Theory (Wegner), Geosynclinal Theory of Kober, Holme's Convectional Current Theory, Theories of Joly and Jeffery;	Plate tectonics, Composition and layering of the earth	Diagrams, Models, demonstration through Globe	Summarize and evaluate Continental and mountain building theories.		Higher Order-30
	Denudation: Weathering and Erosion their process and types.	Exogenetic forces.	Diagrams, Models.		*Higher Order Thinking Skills Based* Justify the present distribution of world continents and oceans on the basis of Hary Hess's Plate Tectonics Theory? Critically Evaluate the concepts of Sea Floor spreading?	
	Davisian Model of Cycle of Erosion and Penck's Morphological System; Mass Wasting.	V-shaped Valley, Diastrophism, Landslides.	Maps, Diagrams, Models, Demonstration			
SEPTEMBER-OCTOBER	**UNIT III** Formation and Characteristics: Fluvial, Glacial, Aeoline (Arid and Semi-Arid), Karst, Coastal landforms;	Attrition, Ablation, Abrasion, plucking.	Demonstration through rock samples	Illustrate various landforms and classify their process of evolution and distribution.		
	Slopes; Forms, processes and evolution;	Channel, slope profile.	PPT, Demonstration			
	Theories of Slope: Davis, Penck, King; Rejuvenation.	Channel, slope profile.	PPT, Case Studies, Flipped Classroom			

PRINCIPAL SOPHIA GIRLS' COLLEGE (AUTONOMOUS) AJMER

Deptt. of Geography Sophia Girls College, Ajmer

SOPHIA GIRLS' COLLEGE, AJMER (*Autonomous*)

M. A/M.Sc GEOGRAPHY (Previous) SEMESTER I

MAN AND NATURAL ENVIRONMENT (GEOM-103)

Max Marks: 100 (70Ext; 30 Int) Min. Marks: 40(28 Ext;12 Int) Credits: 06 Duration: 03 hrs

COURSE PLAN

SEM/ Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Distribution
SEM I JULY	**UNIT I** Introduction: Meaning, scope and interdisciplinary nature of Environmental Science; Energy fundamentals: Heat transfer processes; energy transfer across the interfaces of various geospheres	ecological niche.	PPT, Chart, Maps, Quiz, Demonstration.	Recall and relate the elements of environment which are impacting the climate and present surroundings.	*Knowledge Based* 1. Distinguish the physical and cultural elements of environmental geography. 2. Elaborate man and environment relationship.	Knowledge—40
	Hydrological cycle, Biogeochemical cycles — carbon, nitrogen, and phosphorus Man-environment relationship;	Formation of early, early human activities.	Match the following, Quiz, Demonstration			
	Effects of environment on human culture and livelihood; Concept of sustainable development	Ecological certification.	Maps, Flow Charts			
AUGUST	**UNIT II** Fundamentals of Ecology: Meaning and scope; Ecosystems - types, structural and functional aspects;	Scarcity of water, pollution.	Diagrams, Models, charts.	Prioritize the need and importance of conserve resources.	*Understanding Based* 1. Critically evaluate the conservation of water as a resource. 2. Classify the different kinds of disasters related to water.	Understanding-35
	Energy flow in ecosystem, food chain, food web, trophic levels, ecological pyramids; Ecotone, Human impact on ecosystems; Biodiversity:	Concrete dams, gravity dams, flash floods.	PPT, Case Studies, Flipped Classroom			
	Organisms-evolution and distribution in space and time, Hotspots of Biodiversity; Climate and its impact on biodiversity.	Ores, drilling, open shaft drilling.	Maps, Diagrams, Models.		*Higher Order Thinking Skills Based* 1. Justify the present scenario of growing energy needs. 2. Critically evaluate the concepts of Desertification.	Higher Order-25
SEPTEMBER-OCTOBER	**UNIT III** Vegetation types; Endangered and Threatened species; Biodiversity conservation;	Energy needs, sustainability, clean energy.	Diagrams, Models, Globe	Prioritize the importance and the need to conserve Land resource.		
	National Forest Policy, Biodiversity Act, Wild-life Protection Acts of India;	Water logging, Concept of 3 R's.	PPT, flow charts,			
	Conservation of National Parks and Sanctuaries, world heritage sites, Ramsar convention, UNESCO sites and wetlands	Environmental Planning in India, SDG	Case Studies, Flipped Classroom			

PRINCIPAL
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS)
AJMER

Deptt. of Geography
Sophia Girls College, Ajmer

SOPHIA GIRLS' COLLEGE, AJMER (*Autonomous*)

M. A/M.Sc GEOGRAPHY (Final) SEMESTER III

INDUSTRIAL GEOGRAPHY (a) (GEOM-302)

Max Marks: 100(70Ext; 30 Int) Min. Marks: 40(28 Ext;12 Int) Credits: 06 Duration: 03 hrs

COURSE PLAN

SEM/ Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	**UNIT I** Nature, scope and recent developments, elements and factors of localization of manufacturing industries;	Industrial location.	PPT, Chart, Maps, Visual 3- D Models	Identify the elements and factors of localization of industries.	***Knowledge Based*** Enumerate the concepts of centralisation and de-centralisation. ***Understanding Based*** Correlate the methods of measuring the spatial distribution of manufacturing industries with the major industrial regions of the world. ***Higher Order Thinking Skills Based*** Evaluate the environmental degradation caused by manufacturing industries Industrial hazards and occupational health.	Knowledge--30 Understanding-40 Higher Order 30
	centralization and decentralization of industrial enterprises; horizontal, vertical and diagonal linkages of modern industries;	Forward and backward linkages.	Match the following, Quiz,			
	Theories and models of industrial location: Weber, Losch, Isard and Hoover.	Locational triangle,Isodapane	Maps, Flow Charts			
AUGUST	**UNIT II** Distribution and spatial pattern of manufacturing industries- Iron and Steel, energy goods and automobiles;	Resource based industries.	Diagrams, Models, PPT.	Establish a connection between the localization theories and distribution of manufacturing industries in the world.		
	textiles, chemicals, petro-chemicals, hardware and software industries. Methods of delineating manufacturing regions;	Resource based industries.	Diagrams, Models, Globe			
	major manufacturing regions of the world. Methods of measuring the spatial distribution of manufacturing industries.	Industrial distribution of the world.	Maps, Diagrams, Models,			
SEPTEMBER-OCTOBER	**UNIT III** Environmental degradation caused by manufacturing industries Industrial hazards and occupational health.	Global Environmental concerns	Diagrams, Models, Globe	Speculate the impact of globalization and changing industrial policies on world environment.		
	Impact of manufacturing industries on economic development; Role of globalization on manufacturing sector;	LPG - Reforms	PPT, Demonstration			
	Shifting of industries and its impact on the urban fringe; changing industrial policy - need for integrated industrial decentralization.	Decentralisation and centralisation.	Case Studies, PPT.			

PRINCIPAL
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS)
AJMER

Head of Geography
Sophia Girls College, Ajmer

SOPHIA GIRLS' COLLEGE, AJMER (*Autonomous*)

B.A SEMESTER IV

GEOGRAPHY OF INDIA-II (PAPER II) (GEO-402)

Max. Marks : 75 (50Ext; 25 Int) **Min. Marks: 30(20 Ext;10 Int)** **Credit: 03** **Duration: $2^{1/2}$ hrs**

COURSE PLAN

SEM/ Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Distribution
	UNIT I Conventional sources of energy- Coal- Types, Distribution and Production. Petroleum- Origin, Reserves and Production.	Illegal mining, geological structure, rocks types.	PPT, Chart, Maps, Visual 3-D Models	Identify conventional and non-conventional sources of energy.	*Knowledge Based* 1. Sketch the coal distribution in India. 2. Illustrate the different types of non-conventional sources of energy. *Understanding Based* 1. Discuss the essential conditions required for Sugarcane. 2. Classify the major industrial regions of India with examples. *Higher Order Thinking Skills Based* 3. Justify the present distribution population in India. 4. Critically evaluate the concepts of Geography Smart	Knowledge--40 Understanding-40 Higher Order-20
	Natural Gas- Reserves and Production, Nuclear Energy: Distribution and Production, their conservation;	metamorphism, sustainable utilization.	Match the following, Quiz,			
	Non-Conventional Sources of Energy: Solar, Wind, Tidal and Bio Gas.	Mineral extraction,	Maps, Flow Charts			
	UNIT II Agriculture- Major Crops: Rice, Wheat, Sugar Cane, Cotton, Jute, Tea, Coffee (Essential conditions required and their production);	Soils, geological structure, Importance of humus and organic matter.	Diagrams, Models, demonstration through Globe	Classify major industrial regions and major crops of India.		
	Green Revolution; Industries- Iron and steel, textile, cement, paper and pulp.	continental shelf, sustainability.	Diagrams, Models, Globe			
	Major Industrial regions of India.	Availability of Resources.	Maps, Diagrams,			
	UNIT III Population: Spatial distribution, growth and density; population explosion;	Urban sprawl, migration, birth rate.	Maps, Diagrams,	Interpret the spatial distribution pattern of population in India and classify planning regions.		
	Ecumene, urbanization- Smart city concept;	Urban sprawl, sustainable development.	PPT, Demonstration			
	Regional Planning in India - macro, meso and micro - regions of India.	Hinterland, Fringe, Periphery.	PPT, Case Studies.			

PRINCIPAL
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS)
AJMER

Dept. of Geography
Sophia Girls College, Ajmer

SOPHIA GIRLS' COLLEGE, AJMER (*Autonomous*)

M. A/M.Sc GEOGRAPHY SEMESTER II

GEOGRAPHY OF INDIA (GEOM-203)

Max Marks: 100(70Ext; 30 Int) Min. Marks: 40(28 Ext;12 Int) Credits: 06 Duration: 03 hrs

COURSE PLAN

SEM/ Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
DEC	**UNIT I** India in the context of Southeast and South Asia; Major Physiographic Regions of India;	Air masses, Jetstreams.	PPT, Chart, Maps, Visual 3- D Models	Outline and interpret the different physiographical features of India.	*Knowledge Based* Explain the physiographic divisions of India.	
	Regional and seasonal variations of climate - The monsoon, western disturbance, norwesters. Climatic regions of; India ;	temperature and precipitation	Match the following,		*Understanding Based* Categorize the climatic regions of India.	Knowledge --40 Understand
	Drainage systems of India; Soil types of India-their distribution and characteristics; Vegetation types and their distribution.	Topography, Climatic distribution	Maps, Flow Charts			
JAN	**UNIT II** Mineral Resources: Distribution of Metallic Minerals: Iron-ore, Zinc, Manganese, Lead, Silver, Copper, Tungston. Non-Metallic: Gypsum, Mica, Feldspar, Asbestos, Silica, Quartz, Manganese, Limestone, Marble, Fertilizer Minerals.	Geology, Fossil fuels,	Diagrams, Models, demonstration through Globe	Categorize and elaborate the mineral and power potential of India.		
	Power Resources- Coal, Petrol, Natural gas, Atomic Hydroelectricity, Wind, Solar, Biogas;	Sources of energy.	Diagrams, Models.		*Higher Order Thinking Skills Based* Discuss the present distribution of power resources and the need for alternate sources of energy.	
	Major agricultural Crops-Wheat, Rice, Sugarcane, Cotton, Maize, Tea, Rubber, Coffee, Jute. Green Revolution, Regionalization of Indian agriculture.	Soils and Climate.	Maps, Diagrams,			
FEB To MARCH	**UNIT III** Major industries in India- Iron and steel, textile, cement, paper and pulp.	Resource potential.	Demonstration through rock samples	Estimate the impact of industrial development and assess the regional disparity levels in the country.		
	Major Industrial regions of India. domestic and international trade Spatial distribution of population and density, population explosion; urbanization; Transport	Demographic pattern, connectivity	PPT, Demonstration			
	Network-Roadways, Railways and Airways; Regional Planning India - macro, meso and micro - regions of India	Regional disparity.	PPT, Case Studies.			

PRINCIPAL SOPHIA GIRLS' COLLEGE (AUTONOMOUS) AJMER

PRINCIPAL SOPHIA GIRLS' COLLEGE (AUTONOMOUS) AJMER

Dept. of Geography Sophia Girls College, Ajmer