Government College For Women, Mahendragarh, Haryana, 123029

Department Of Geography

Name Of The Extension Leturer : Manju Yadav

Class : M.A.Pre.- Semester II

Session : 2023-2024

Subject Lesson Plan: 13 Weeks (15 Jan to 15 30 April): Economic Geography**(** GEOG202)

Week 1 Definition, nature, scope of Economic Geography. Approaches of Economic Geography.
Week 2 Relationship of economic geography with economics Relationship of economic geography with other branches of social sciences.
Week 3 World Economies: Bases of classification Patterns and characteristics of developed and developing economies of the world..
Week 4 Functional Classification of Economic Activities World production and distribution of energy resources: coal
Week 5 World production and distribution of energy resources: Petroleum.
Week 6 World production and distribution of mineral resources: iron-ore. World production and distribution of mineral resources: Bauxite
Week 7 Network structure and economic activities, impact of transport on economic activities.
Week 8 Edward Ullman's spatial interaction model, Location models: Weber, Christaller and Losch models.
Week 9 Christaller and Losch models.
Week 10 Concept of economic growth and development.
Week 11 Globalization and pattern of economic development
Week 12 Theories of economic development: Modernizing theories, Dependency theories.
Week 13 Expert based model and Basic need theory, Theories of New Economic geography (Krugman)..

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Department Of Geography

Name Of The Extension Leturer : Manju Yadav

Class : M.A.Final.- Semester IV

Session : 2023-2024

Subject Lesson Plan: 13 Weeks (15 Jan to 30 April): Hydrology**(** GEOG404)

Week 1 Definition, nature, scope and historical development of hydrology, Hydrological cycle,
Week 2 estimation of global water budget and human impacts on hydrological cycles, Sources of hydrological data sets in India
Week 3 Rainfall: frequency, intensity, measurement and trends,
Week 4 determination of average rainfall (Arithmetic mean, Theiesson polygon, isohytel methods),
Week 5 rainfall variability, patterns and distribution.
Week 6 Runoff: its sources and components, methods of stream flow measurement
Week 7 . factors affecting runoff.
Week 8 Hydrograph and its component, analysis of hydrograph,
Week 9 factors affecting shape of hydrograph shape, Rainfall-runoff relationship.
Week 10 Groundwater: occurrence, storage, recharge and discharge,
Week 11 problems of ground water utilization
Week 12 depletion and quality
Week 13 Water Resources of India and associated problems.

Government College For Women, Mahendragarh, Haryana, 123029

Department of Geography

Name Of The Extention Lecturer:- Mrs. Manju Yadav

Class : B.A. 3rd - Semester VI

Session : 2023-2024

Subject Lesson Plan: 13 Weeks (Jan 15 To April 30) : Paper-303-Introduction to Remote Sensing, GIS & Quantitative Methods

Week 1 Introduction to Aerial Photographs: their advantages and types.
Week 2 Elements of aerial Photo interpretation
Week 3 Introduction to Remote Sensing; Electromagnetic spectrum, stages in remote sensing, type of satellites.
Week 4 Types of Imageries and their application in various fields such as agriculture
Week 5 environment and resource mapping.
Week 6 Introduction to Geographical Information System: Definition, purpose, advantages and software and hardware requirements.
Week 7 Application of GIS in various fields of geography..
Week 8 Measure of Central Tendency: Mean, Median and Mode.
Week 10 Measure of Dispersion: Range
Week 11 Quartile deviation and Mean deviation
Week 12 Standard deviation, Coefficient of variation.
Week 13 Repetition with Problem Solving, Tests & Assignments

Government College For Women, Mahendragarh, Haryana, 123029

Department of Geography

Name Of The Extention Lecturer:- Mrs. Manju Yadav

Class : B.A.Final- Semester VI

Session : 2023-24

Subject Lesson Plan: 13 Weeks (15 Jan -30 April) : Introduction to Remote Sensing, GIS & Quantitative Methods (303)

Week 1 Introduction to Aerial Photographs: their advantages and types.
Week 2 Elements of aerial Photo interpretation.
Week 3 Introduction to Remote Sensing; Electromagnetic spectrum,
Week 4 Stages in remote sensing, type of satellites.
Week 5 Types of Imageries and their application in various fields such as agriculture, environment and resource mapping.
Week 6 Introduction to Geographical Information System: Definition, purpose, advantages and software and hardware requirements.
Week 7 Application of GIS in various fields of geography.
Week 8 Measure of Central Tendency: Mean, Median and Mode.
Week 09 Measure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variation.
Week 10 Repetition with Problem Solving, Tests & Assignments…
Week 11 Repetition with Problem Solving, Tests & Assignments…
Week 12 Repetition with Problem Solving, Tests & Assignments…
Week 13 Repetition with Problem Solving, Tests & Assignments