RPS Degree College, Balana (Mahendergarh)

Lesson Plan

2020-21(Odd Semester)

Class and Section: M.Sc. 3rd Sem.
Subject: Regional Development And Planning
Name of the Faculty : Mr. Anil Kumar

Lecture	Topics
1	Introduction to Syllabus, Scheme of Exam & Learning Objectives/Outcomes
2	Test to Check the Learning Level of the Students
3	Concepet of development
4	Spatial disparities
5	Types of planning regions
6	Balanced regional development
7	Regional delineation
8	Development theories
9	Trickle down theory
10	Growth Pole model
11	Cummulative Causation model
12	Core Periphery theory
13	Recent divergence and convergence theories
14	Peninsular drainage system
15	Comparison b/w Himalayan and peninsular drainage
16	Dependency theory
17	Kuznets curve
18	Bio regionalism
19	Eco- Feminism
20	Deep ecology
21	Sustainable development
22	Plannig region meaning and defination
23	Need of planning
24	Characteristics of planning regions
25	Type of planning
26	Sectoral , Temporal and spatial
27	Short and long term planning
28	Multi-regional planning
29	Decenteralisation planning
30	Globalisation
31	Neo- liberalism
32	Regional planning in India
33	Regional imbalances
34	Measurement of regional disperities

35	Five Year Plan
36	NCR Planning
37	Backward area development
38	Tribal area development
39	Hilly area development
40	Desert area development
41	Flood and draught area development
42	Coastal area development

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Lesson Plan

Class and Section: M.Sc 3rd sem

Subject: Environmental Geography

Name of the Faculty : Dr. Hemant Kumar

Lecture	Topic covered
1	Principles of Ecology,Human Ecologycal adaptations
2	Influences of man on ecology and environment
3	Global and Regional ecological changes and imbalance
4	Concepts of Environment ;
5	
6	Components of environment, Biotic and Abiotic types of environment
7	Biodiversity and biosphere Reserve
8	Ecosystem: concept, types, components, and functions;
9	Energy flow in ecosystem: food chain,
10	food web,
11	trophic levels, ecological production and ecological pyramids.
12	Biogeochemical cycles:
13	hydrological, carbon, oxygen and nitrogen cycles.
14	Ecosystems- their management and conservation;
15	Ecological regions of India.
16	Environmental Degradation–meaning, types,
17	Class Test
18	Environmental Degradation– management and conservation;
19	Environmental Pollution- meaning, types, sources, causes and effects of environmental pollution
20	with special reference to air pollution and water pollution.-I
21	Environmental Pollution- meaning, types, sources, causes and effects of environmental pollution-II
22	with special reference to air pollution and water pollution.
23	Environmental Hazards: earthquakes,
24	volcanoes, tsunamis,
25	floods, droughts, famines
26	Global warming and climate change-I
27	Global warming and climate change-II
28	Ozone depletion;
29	Acid Rain; Urban smog.
30	Class Test
31	Urban smog.
32	Environmental education and legislation; Environment Impact Assessment (EIA);
33	Global Summits
34	and Agencies of Environmental Conservation.
35	Environmental issues and policies in India-I
36	Environmental issues and policies in India-II

37	National Environmental Policy-2006 of India.

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Lesson Plan

2020-21(Odd Semester)

Class and Section: M.Sc. 3rd Sem
Subject: Fundamental of Remote Sensing
Name of the Faculty : Mr. Anil Kumar

Lecture	Topics
1	Introduction to Syllabus, Scheme of Exam & Learning Objectives/Outcomes
2	Test to Check the Learning Level of the Students
3	Aerial Photography- History
4	Meaning and defination
5	Advantages and limitations
6	Elements of photography
7	Type of Aerial photographs
8	Geomatric propertis of vertical photograph
9	Stereoscope
10	Stereoscopic vision
11	Parallax and relief displacement
12	Image interpretation
13	Remote sensing defination and meaning
14	History and development
15	EMR and its properties
16	EMR spectrum
17	Black body radiation
18	EMR interaction with atmosphere
19	EMR interaction with Earth surface
20	Atmospheric window
21	Orbit and path
22	Types of satellites
23	Remote sensing platform
24	Sensor system
25	Resolution
26	Active and passive remote sensing
27	Microvave remote sensing
28	Uses of microvave RS
29	SAR
30	Hyper spectural remote sensing
31	Application
32	Indian space programme
33	INSAT series
34	IRS series

35	Digital image processing
36	Digital data formats
37	Imager restoration
38	Image classification
39	Superwise classification
40	Unsuperwise classification

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Lesson Plan

2020-21(Odd Semester)

Class and Section: M.Sc. 3rd Sem
Subject: Geographical Information system
Name of the Faculty : Mr. Anil Kumar

Lecture	Topics
1	Introduction to Syllabus, Scheme of Exam & Learning Objectives/Outcomes
2	Test to Check the Learning Level of the Students
3	GIS defination and meaning
4	Scope and components of GIS
5	Elements of GIS
6	Geographic framework
7	Geoid
8	Spheroid
9	Coordinate system
10	Projection system
11	Need of spherical and planner coordinate
12	Implication of coordinate system and their transformation in GIS
13	GIS data spatial and non- spatial
14	Point and line data
15	Polygon data
16	Data format types
17	Rastar format
18	Vector format
19	Source of data
20	Gio data base
21	DBMS
22	Spatial topology
23	Spatial analysis
24	Overlay
25	Neighbourhood and proximity
26	Data integration
27	GIS and map production
28	GIS and cartography
29	Bertin's visual variables
30	Fundamental of GPS
31	GPS segment
32	GPS devices
33	GPS system
34	NAVSTAR

35	GALILIO
36	GAGAN
37	Application of GPS

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Lesson Plan

2020-21(Odd Semester)

Class and Section: M.Sc. 3rd
Subject: Agricultural Geography (GEOG 309)
Name of the Faculty : Mrs. Nachita Kumari

Lecture	Topics
1	Introduction to Syllabus, Scheme of Exam & Learning Objectives/Outcomes
2	Test to Check the Learning Level of the Students
3	Nature and scope
4	Significance of agricultural geography
5	Approaches
6	Origin and dispersal
7	Gene centres of agriculture
8	Physical , technological and cultural factors
9	Concept of land classification US
10	Concept of land classification Britain
11	Land use survey
12	Land use classification Britain and India
13	Land use and cropping pattern
14	Agrucultural and concept and their measurement
15	Intensity of cropping
16	Degree of commercialisation
17	Diversification and specialisation
18	Agricultural efficiency and productivity
19	Crop combination and concentration
20	Von Thunen model of agriculture
21	Agricultural regionalisation : concept and criteria
22	Whittlesey's agricultural system
23	Agricultural typology by Kostrowiki
24	Agro climatic zonation
25	Agro climatic regions of India
26	Agricultural regions of India
27	Regional imbalance in agricultural productivity
28	Green Revolution
29	Impact and consequences in India
30	Neo- Liberalisation
31	India agriculture
32	Food security
33	Components of food security
34	Food security in India

35	New perspective in agriculture
36	Urban agriculture
37	Contract farming
38	Agri business
39	Sustainable agricultureal development
40	Agriculture and climate change
41	Impact and adaptations

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Lesson Plan

2020-21(Odd Semester)

Class and Section: M.Sc. 3rd Sem
Subject: Issues in India Economy(OE) ECO-321
Name of the Faculty : Mr. Rahul Sharma

Lecture	Topics
1	Introduction to Syllabus, Scheme of Exam & Learning Objectives/Outcomes
2	Test to Check the Learning Level of the Students
3	Introduction of Indian Economy
4	Features of Indian Economy
5	Nature of Indian Economy
6	Characteristics of Indian Ecomomy
7	Role of Agriculture in economic development
8	Features of Indian Agriculture
9	WTO and Indian Agriculture
10	Poverty in India
11	Absolute poverty
12	Relative analysis of poverty
13	Concept of Demography
14	Vital Rates
15	Life Tables
16	Fertility Rate
17	Total Fertality rate and net reproduction rate
18	Age Pyramids
19	Characteristics of Indian Population through recent census
20	Monetary policy of RBI
21	Growth and problems of monetary policy
22	Role of Commercial Banks in India
23	Banking sector reforms science 1991