



RPS Degree College, Balana (Mahendergarh)

Lesson Plan

2019-20(Even Semester)

Class and Section: M.Sc. 4th Sem.

Subject: Fundamentals of Remote Sensing and GIS

Name of the Faculty : Anil Kumar

Week	Lecture	Date	Topics
1	1	16-Jan-20	General Introduction of Subject & Syllabus Discussion
	2	17-Jan-20	
2	3	20-Jan-20	Introduction to Remote Sensing
	4	21-Jan-20	Concept of Aerial Photo ,History of Aerial Photographs
	5	22-Jan-20	Development of Aerial Photographs in India
	6	23-Jan-20	Geometry of Aerial Photographs
	7	24-Jan-20	Types of Aerial Photographs
3	8	27-Jan-20	Map via Aerial Photographs
	9	28-Jan-20	Applications of Aerial Photographs
	10	29-Jan-20	Test
	11	30-Jan-20	Scale of Aerial Photographs
	12	31-Jan-20	Elements of aerial Photo interpretation
4	13	03-Feb-20	Stereoscope : Its types
	14	04-Feb-20	Methods of interpretation of Aerial Photographs
	15	05-Feb-20	Advantages of Aerial Photographs
	16	06-Feb-20	Remote Sensing-Introduction, Basic Function and elements
	17	07-Feb-20	
5	18	10-Feb-20	Fundamental of Remote Sensing
	19	11-Feb-20	
	20	12-Feb-20	Electromagnetic Spectrum
	21	13-Feb-20	
	22	14-Feb-20	Zone of Remote Sensing, Atmospheric Window
6	23	17-Feb-20	EMR interaction with atmosphere
	24	18-Feb-20	EMR interaction with Earth surface
	25	19-Feb-20	Test
	26	20-Feb-20	Remote sensing Platforms and Sensors
7	27	24-Feb-20	Orbits of Satellites and Swath of Satellite
	28	25-Feb-20	
	29	26-Feb-20	Sensors and Sensing Systems
	30	27-Feb-20	
	31	28-Feb-20	Type of Resolutions-Spatial, Spectral,Radiometric,Temporal
8	32	02-Mar-20	
	33	03-Mar-20	Interpretation of Physical and Cultural Features
	34	04-Mar-20	
	35	05-Mar-20	Chronological Development of Remote sensing
	36	06-Mar-20	
9	37	09-Mar-20	Remote Sensing In India, New Era in Remote sensing
	38	11-Mar-20	Images and Their Application-Introduction
	39	12-Mar-20	Classification of Images
	40	13-Mar-20	Applications of Imageries -1
10	41	16-Mar-20	Application of Remote sensing in Geography
	42	17-Mar-20	GIS-Introduction
	43	18-Mar-20	Components of GIS
	44	19-Mar-20	Types of Data in GIS
	45	20-Mar-20	Sequence of Activities in GIS
11	46	23-Mar-20	
	47	24-Mar-20	
	48	25-Mar-20	Test
	49	26-Mar-20	
12	50	27-Mar-20	Applications of GIS-1
	51	30-Mar-20	Application of Gis in Geography
	52	31-Mar-20	
	53	01-Apr-20	Seminar
	54	03-Apr-20	Seminar
13	55	06-Apr-20	Seminar
	56	07-Apr-20	Seminar
	57	08-Apr-20	Seminar
	58	09-Apr-20	Revision
	59	10-Apr-20	Revision
14	60	13-Apr-20	Revision
	61	14-Apr-20	Revision
	62	15-Apr-20	Revision
	63	16-Apr-20	Revision
	64	17-Apr-20	Revision
15	20th - 24th April 20		Final Sessional Test



RPS Degree College, Balana (Mahendergarh)

Lesson Plan

2019-20(Even Semester)

Class and Section: M.Sc. 4th Sem.

Subject: Research Methodology

Name of the Faculty : Rahul Sharma

Week	Lecture	Date	Topics
1	1	16-Jan-20	General introduction to Research Methodology.
	2	17-Jan-20	
2	3	20-Jan-20	Meaning and definitions of RM.
	5	22-Jan-20	Objectives of RM.
	6	23-Jan-20	Types of RM.
	7	24-Jan-20	Significance of Research.
3	8	27-Jan-20	Characteristics of Research.
	10	29-Jan-20	Introduction of Research process.
	11	30-Jan-20	Steps involved in Research process.
	12	31-Jan-20	Problems faced by researcher in India.
4	13	03-Feb-20	Defining Research problem.
	15	05-Feb-20	Meaning of research problem.
	16	06-Feb-20	Selection of research problem.
	17	07-Feb-20	
5	18	10-Feb-20	Need for defining research problem.
	19	11-Feb-20	
	20	12-Feb-20	Techniques involved in defining research problem.
	21	13-Feb-20	
6	22	14-Feb-20	Limitations of research problem.
	23	17-Feb-20	Review of research design.
	24	18-Feb-20	Research Methodology review.
	25	19-Feb-20	Test
7	26	20-Feb-20	Introduction of Hypothesis.
	27	24-Feb-20	Definitions of Hypothesis.
	28	25-Feb-20	
	29	26-Feb-20	Characteristics of hypothesis.
8	30	27-Feb-20	
	31	28-Feb-20	Types of Hypothesis.
	32	02-Mar-20	
	33	03-Mar-20	Introduction to research design.
9	34	04-Mar-20	
	35	05-Mar-20	Meaning and definition of RD.
	36	06-Mar-20	
	37	09-Mar-20	Need of RD.
10	38	11-Mar-20	Features of RD.
	39	12-Mar-20	Important features related to RD.
	40	13-Mar-20	Types of RD.
	41	16-Mar-20	Exploratory RD.
11	43	18-Mar-20	Descriptive RD.
	44	19-Mar-20	Experimental RD.
	45	20-Mar-20	Introduction to sampling.
	46	23-Mar-20	Random sampling design.
12	47	24-Mar-20	
	48	25-Mar-20	Test
	49	26-Mar-20	
	50	27-Mar-20	Non- random sampling design.
13	51	30-Mar-20	Merits of random and non-random sampling design.
	52	31-Mar-20	
	53	01-Apr-20	Limitations of random and non-random sampling design.
	54	03-Apr-20	Introduction of Data.
14	55	06-Apr-20	Collection of Data.
	57	08-Apr-20	Introduction of types of data.
	58	09-Apr-20	Primary data and secondary data.
	59	10-Apr-20	Source of data.
15	60	13-Apr-20	Methods of collecting Primary and secondary data.
	61	14-Apr-20	Observation method, interview method.
	62	15-Apr-20	Questionnaire method.
	63	16-Apr-20	Schedule.
64	17-Apr-20	Difference b/w questionnaire and schedule.	
15	20th - 24th April 20		Final Sessional Test



RPS Degree College, Balana (Mahendergarh)

Lesson Plan

2019-20(Even Semester)

Class and Section: M.Sc. 4th Sem.

Subject: Settlement Geography

Name of the Faculty : Rahul Sharma

Week	Lecture	Date	Topics
1	2	17-Jan-20	Settlement Geography Introduction.
2	4	21-Jan-20	Settlement Geography Scope.
	5	22-Jan-20	Significance of settlement geography.
	6	23-Jan-20	Development of settlement geography.
	7	24-Jan-20	Approaches to the settlement.
3	9	28-Jan-20	Spatial approach and Evolutionary approach.
	10	29-Jan-20	Ecological approach.
	11	30-Jan-20	Defining Rural settlement.
	12	31-Jan-20	Defining Urban settlement.
4	14	04-Feb-20	Hierarchy of settlements in India and Census definition.
	15	05-Feb-20	Introduction to Rural settlement.
	16	06-Feb-20	Types of Rural settlements.
	17	07-Feb-20	
5	19	11-Feb-20	
	20	12-Feb-20	Pattern of Rural settlements and Environmental issues in rural settlements.
	21	13-Feb-20	
	22	14-Feb-20	Poverty issue in detail.
6	23	17-Feb-20	Housing and Health care.
	24	18-Feb-20	
	25	19-Feb-20	Test
	26	20-Feb-20	Inequality in India.
7	28	25-Feb-20	
	29	26-Feb-20	Concepts of Primate city.Rank- Size Rule theory.
	30	27-Feb-20	
	31	28-Feb-20	Functional classification of towns.
8	32	02-Mar-20	
	33	03-Mar-20	Theory of Harris.
	34	04-Mar-20	
	35	05-Mar-20	Theory of Nelson.
9	36	06-Mar-20	
	38	11-Mar-20	
	39	12-Mar-20	Activity on urban patterns of settlements.
	40	13-Mar-20	Class test
10	42	17-Mar-20	
	43	18-Mar-20	Meaning of Satellite towns.
	44	19-Mar-20	Types of Satellite towns.
	45	20-Mar-20	Working of Sat. Towns.
11	47	24-Mar-20	Revision of unit 2,3
	48	25-Mar-20	Test
	49	26-Mar-20	
	50	27-Mar-20	Morphology of Indian cities.
12	51	30-Mar-20	Functional classification of Indian cities.
	52	31-Mar-20	
	53	01-Apr-20	Conurbation regions
	54	03-Apr-20	Metropolitan regions.
	56	07-Apr-20	
	57	08-Apr-20	Problem associated with slums.
	58	09-Apr-20	Urbanisation in India.
	59	10-Apr-20	Characteristics of Indian urbanisation.
	61	14-Apr-20	Problems and remedies of urbanisation.
	62	15-Apr-20	Class test
	63	16-Apr-20	Sustainable development meaning and definition.
	64	17-Apr-20	Sustainable Development
15	20th - 24th April 20		Final Sessional Test



RPS Degree College, Balana (Mahendergarh)

Lesson Plan

2019-20(Even Semester)

Class and Section: M.Sc. 4th Sem.

Subject: Natural Hazard and Disaster Management

Name of the Faculty : Rajpal

Week	Lecture	Date	Topics
1	1	16-Jan-20	General Introduction of Subject & Syllbus Discussion
	2	17-Jan-20	
2	3	20-Jan-20	Concept of Hazard
	4	21-Jan-20	Risk, Vulnerability and Disaster
	5	22-Jan-20	Natural Hazards
	6	23-Jan-20	Natural Disasters
	7	24-Jan-20	Definition nature and classification of disaster
3	8	27-Jan-20	Tectonic Hazards and Disasters
	9	28-Jan-20	Volcanoe
	10	29-Jan-20	Earthquakes
	11	30-Jan-20	Tsunamis - causes, effects,
	12	31-Jan-20	Mitigation measures and regional distribution.
4	13	03-Feb-20	Class Test
	14	04-Feb-20	Revision of first unit and class test discussion
	15	05-Feb-20	Hydrological Hazards and Disasters
	16	06-Feb-20	Floods
5	17	07-Feb-20	Droughts - causes, effects.
	18	10-Feb-20	Mitigation measures and regional distribution.
	19	11-Feb-20	
	20	12-Feb-20	Climatic Disasters in India
	21	13-Feb-20	
	22	14-Feb-20	Cyclone - causes, effects.
6	23	17-Feb-20	Mitigation measures and regional distribution.
	24	18-Feb-20	Test
	25	19-Feb-20	Management of Natural Hazards and Disasters
	26	20-Feb-20	Management of Natural Hazards and Disaster
7	27	24-Feb-20	Pre-Disaster Planning
	28	25-Feb-20	Management - Prevention
	29	26-Feb-20	Preparedness, and Mitigation
	30	27-Feb-20	
	31	28-Feb-20	Post Disaster Management
8	32	02-Mar-20	
	33	03-Mar-20	Rescue, Relief, Recovery and
	34	04-Mar-20	Rehabilitation and Cultural Features
	35	05-Mar-20	Chronological Development of Remote sensing
9	36	06-Mar-20	
	37	09-Mar-20	Remote Sensing In India, New Era in Remote sensing
	38	11-Mar-20	Images and Their Application-Introduction
	39	12-Mar-20	Classification of Images
	40	13-Mar-20	Applications of Imageries -I
10	41	16-Mar-20	Application of Remote sensing in Geography
	42	17-Mar-20	GIS-Introduction
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	45	20-Mar-20	Squence of Activities in GIS
11	46	23-Mar-20	
	47	24-Mar-20	
	48	25-Mar-20	Test
	49	26-Mar-20	
	50	27-Mar-20	Applications of GIS-1
12	51	30-Mar-20	Application of Gis in Geography
	52	31-Mar-20	
	53	01-Apr-20	Semminar
	54	03-Apr-20	Semminar
13	55	06-Apr-20	Semminar
	56	07-Apr-20	Semminar
	57	08-Apr-20	Semminar
	58	09-Apr-20	Revision
	59	10-Apr-20	Revision
14	60	13-Apr-20	Revision
	61	14-Apr-20	Revision
	62	15-Apr-20	Revision
	63	16-Apr-20	Revision
	64	17-Apr-20	Revision
15	20th - 24th April 20		Final Sessional Test



RPS Degree College, Balana (Mahendergarh)

Lesson Plan

2019-20(Even Semester)

Class and Section: M.Sc. 4th Sem.

Subject: Population Explosion and sustainable development

Name of the Faculty : RAJPAL

Week	Lecture	Date	Topics
1	1	16-Jan-20	Genral Introduction of Subject & Syllbus Discussion
	2	17-Jan-20	
2	3	20-Jan-20	Meaning, definition Population.
	4	21-Jan-20	Population growth
	5	22-Jan-20	Population distribution
	6	23-Jan-20	Optimum population theory
	7	24-Jan-20	Over population
3	8	27-Jan-20	Under population
	9	28-Jan-20	Census of india
	10	29-Jan-20	Population as social capital
	11	30-Jan-20	Population policies
	12	31-Jan-20	Social Well Being
4	13	03-Feb-20	Population and problems
	14	04-Feb-20	Migration
	15	05-Feb-20	Causes of migration
	16	06-Feb-20	World density of population
	17	07-Feb-20	
5	18	10-Feb-20	Population growth
	19	11-Feb-20	
	20	12-Feb-20	Theories of population growth
	21	13-Feb-20	
	22	14-Feb-20	Human development index
6	23	17-Feb-20	Population explosion
	24	18-Feb-20	Optimum population theory
	25	19-Feb-20	1st Unit Test
	26	20-Feb-20	Energy crisis
	27	24-Feb-20	Food security
7	28	25-Feb-20	
	29	26-Feb-20	Revision of 1st unit and class test discussion
	30	27-Feb-20	
	31	28-Feb-20	Population change
	32	02-Mar-20	
8	33	03-Mar-20	Resouce degradation
	34	04-Mar-20	
	35	05-Mar-20	Social insecurity
	36	06-Mar-20	
9	37	09-Mar-20	History and emergence
	38	11-Mar-20	Regional Imbalances
	39	12-Mar-20	Environmental issues
	40	13-Mar-20	Environmental pollution
10	41	16-Mar-20	Degradation
	42	17-Mar-20	Deforestation
	43	18-Mar-20	Desertification
	44	19-Mar-20	Soil erosion
	45	20-Mar-20	Population growth
11	46	23-Mar-20	Population and development
	47	24-Mar-20	
	48	25-Mar-20	2nd Unit Test
	49	26-Mar-20	
	50	27-Mar-20	Population policies
12	51	30-Mar-20	Policies in India
	52	31-Mar-20	
	53	01-Apr-20	Sustainable Developmen
	54	03-Apr-20	Definition and parameters
13	55	06-Apr-20	Global and regional dimension
	56	07-Apr-20	Sustainable Urban Developmen
	57	08-Apr-20	Slums
	58	09-Apr-20	Urban Sprawl
	59	10-Apr-20	UNIA for SD
14	60	13-Apr-20	Rio Declaration
	61	14-Apr-20	Kyoto Protocol
	62	15-Apr-20	SDGs
	63	16-Apr-20	SDG11
	64	17-Apr-20	SDG13 climate action
15	20th - 24th April 20		Final Sessional Test