NBGSM College
Lesson Plan July 2019- Nov 2019

Name of assistant Professor :	Kajal Rani
Class :	M.A(Final)
Semester:	3rd
Subject:	Remote Sensing & GIS

	Day	Date	Topic
1st Week	1	16-Jul-19	UNIT-I Photogrammetry: History and development,
	2	17-Jul-19	Definition and meaning;
	3	18-Jul-19	Aerial photographs-types, characteristics and Geometry,
	4	19-Jul-19	methods of determining scale;
	5	20-Jul-19	ground coverage and overlapping;
	Sunday	21-Jul-19	
2nd Week	1	22-Jul-19	stereoscopes and stereoscopic vision;
	2	23-Jul-19	photomosaics-types and uses;
	3	24-Jul-19	Elements of image interpretation
	4	25-Jul-19	UNIT-II Remote sensing technique- Meaning,
	5	26-Jul-19	basic principles/ concepts,
	6	27-Jul-19	Remote sensing system and relevance in Geography;
	Sunday	28-Jul-19	
3rd week	1	29-Jul-19	Electromagnetic radiations (EMR);
	2	30-Jul-19	**Holiday**
	3	31-Jul-19	Electromagnetic specturm;
	4	1-Aug-19	interaction of EMR with atmosphere and
	5	2-Aug-19	Earth's surface features;
	6	3-Aug-19	spectral reflectance;
	Sunday	4-Aug-19	
4th week	1	5-Aug-19	Remote sensing data;
	2	6-Aug-19	Basic Principles of thermal and
	3	7-Aug-19	microwave remote sensing
	4	8-Aug-19	**UNIT- IIIrd** Remote sensing platforms- types and characteristics
	5	9-Aug-19	satellite orbits- near polar and
	6	10-Aug-19	geostationary orbits;
	Sunday	11-Aug-19	
5th week	1	12-Aug-19	**Holiday**
	2	13-Aug-19	sensors- types and specifications
	3	14-Aug-19	and resolutions;
	4	15-Aug-19	**Holiday**
	5	16-Aug-19	various artificial satellites series;

	6	17-Aug-19	Remote sensing applications in land use/land cover,
	Sunday	18-Aug-19	
6th week	1	19-Aug-19	urban, water resources
	2	20-Aug-19	and environment studies;
	3	21-Aug-19	Remote Sensing setup
	4	22-Aug-19	and programmes in India.
	5	23-Aug-19	**UNIT-4th** Geographic Information System (GIS)- meaning and
	6	24-Aug-19	**Holiday**
	Sunday	25-Aug-19	
7th week	1	26-Aug-19	basic concepts; components of GIS;
	2	27-Aug-19	Functions in GIS- data input, storage,
	3	28-Aug-19	maintainance, manipulation,
	4	29-Aug-19	analysis and output;
	5	30-Aug-19	GIS data- spatial and non- spatial data
	6	31-Aug-19	Data formats- raster and vector;
	Sunday	1-Sep-19	
8th week	1	2-Sep-19	Data Sources;
	2	3-Sep-19	Integration of remote sensing and GIS
	3	4-Sep-19	Applications of GIS in Geographic Studies.
	4	5-Sep-19	
	5	6-Sep-19	
	6	7-Sep-19	
	Sunday	8-Sep-19	
9th week	1	9-Sep-19	Syllabus revision
	2	10-Sep-19	
	3	11-Sep-19	
	4	12-Sep-19	
	5	13-Sep-19	
	6	14-Sep-19	
	Sunday	15-Sep-19	
10th week	1	16-Sep-19	UNIT TEST
	2	17-Sep-19	
	3	18-Sep-19	
	4	19-Sep-19	
	5	20-Sep-19	
	6	21-Sep-19	
	Sunday	22-Sep-19	
11th week	1	23-Sep-19	**Holiday**
	2	24-Sep-19	
	3	25-Sep-19	TEST
	4	26-Sep-19	

	5	27-Sep-19	
	6	28-Sep-19	
	Sunday	29-Sep-19	
12th week	1	30-Sep-19	
	2	1-Oct-19	
	3	2-Oct-19	**Holiday**
	4	3-Oct-19	
	5	4-Oct-19	
	6	5-Oct-19	
	Sunday	6-Oct-19	
13th week	1	7-Oct-19	
	2	8-Oct-19	**Holiday**
	3	9-Oct-19	TEST
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	5	11-Oct-19	
	6	12-Oct-19	
	Sunday	13-Oct-19	
14th week	1	14-Oct-19	
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	3	16-Oct-19	
	4	17-Oct-19	**Holiday**
	5	18-Oct-19	
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	Sunday	20-Oct-19	
15th week	1	21-Oct-19	
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	3	23-Oct-19	
	4	24-Oct-19	
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	Sunday	27-Oct-19	
			Vacations
16th week	1	28-Oct-19	
	2	29-Oct-19	
	3	30-Oct-19	
	4	31-Oct-19	
	5	1-Nov-19	**Holiday**
	6	2-Nov-19	
	Sunday	3-Nov-19	
17th week	1	4-Nov-19	TEST
	2	5-Nov-19	
	3	6-Nov-19	

	Day	Date	Topic
	4	7-Nov-19	
	5	8-Nov-19	
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	Sunday	10-Nov-19	
18th week	1	11-Nov-19	
	2	12-Nov-19	
	3	13-Nov-19	
	4	14-Nov-19	
	5	15-Nov-19	
	6	16-Nov-19	
	Sunday	17-Nov-19	
Name of assistant Professor :			
Class :			
Semester:			
Subject:	eography of Transpo		
	Day	Date	Topic
1st Week	1	16-Jul-19	**UNIT- 1)** Nature and Scope of Transport Geography,
	2	17-Jul-19	Geographic relevance of transportation,
	3	18-Jul-19	Transport and development: Therotical framework,
	4	19-Jul-19	models of global relevance; 1) The Vance Model,
	5	20-Jul-19	2) The Rimmer Model, and
	Sunday	21-Jul-19	
2nd Week	1	22-Jul-19	3) The Taffe, Morril and Gould Model.
	2	23-Jul-19	**UNIT-2)** The Modes of Transport: Introduction to mode of tra
	3	24-Jul-19	Modal characteristics of Roads, Railways,
	4	25-Jul-19	Ropeways and cableways and Airways.
	5	26-Jul-19	**UNIT-3)** Structural Analysis of Transport Networks: Networks
	6	27-Jul-19	Networks Graphs and Types; Measures of Individual Element
	Sunday	28-Jul-19	
3rd week	1	29-Jul-19	of transportation networks: Mileage Matrix, Nodality Matrix,
	2	30-Jul-19	weighted mileage matrix, weighted nodality matrix,
	3	31-Jul-19	**Holiday**
	4	1-Aug-19	Gross accessibility; connectivity of networks:
	5	2-Aug-19	cyclometric number,
	6	3-Aug-19	diameter; Alpha,
	Sunday	4-Aug-19	
4th week	1	5-Aug-19	Beta, Gamma, Eta
	2	6-Aug-19	Pie, Theta and
	3	7-Aug-19	Lota Indices.
	4	8-Aug-19	**UNIT-4)** Development of Road Transport in Haryana: Growth
	5	9-Aug-19	Development of roads in Haryana,

	6	10-Aug-19	types of roads,
	Sunday	11-Aug-19	
5th week	1	12-Aug-19	**Holiday**
	2	13-Aug-19	levels of road transport in Haryana,
	3	14-Aug-19	levels of road connectivity in Haryana,
	4	15-Aug-19	**Holiday**
	5	16-Aug-19	Problems of road transport in Haryana.
	6	17-Aug-19	
	Sunday	18-Aug-19	
6th week	1	19-Aug-19	REVISION OF SYLLABUS
	2	20-Aug-19	
	3	21-Aug-19	
	4	22-Aug-19	
	5	23-Aug-19	
	6	24-Aug-19	**Holiday**
	Sunday	25-Aug-19	
7th week	1	26-Aug-19	
	2	27-Aug-19	
	3	28-Aug-19	
	4	29-Aug-19	
	5	30-Aug-19	
	6	31-Aug-19	
	Sunday	1-Sep-19	
8th week	1	2-Sep-19	
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	3	4-Sep-19	
	4	5-Sep-19	
	5	6-Sep-19	
	6	7-Sep-19	
	Sunday	8-Sep-19	
9th week	1	9-Sep-19	
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	4	12-Sep-19	
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	Sunday	15-Sep-19	
10th week	1	16-Sep-19	
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	Sunday	22-Sep-19	
11th week	1	23-Sep-19	**Holiday**
	2	24-Sep-19	
	3	25-Sep-19	TEST
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	Sunday	29-Sep-19	
12th week	1	30-Sep-19	
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	Sunday	13-Oct-19	
14th week	1	14-Oct-19	
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	3	16-Oct-19	
	4	17-Oct-19	**Holiday**
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	6	19-Oct-19	
	Sunday	20-Oct-19	
15th week	1	21-Oct-19	
	2	22-Oct-19	
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	5	25-Oct-19	
	6	26-Oct-19	TEST
	Sunday	27-Oct-19	
16th week	1	28-Oct-19	
	2	29-Oct-19	
	3	30-Oct-19	

	4	31-Oct-19	
	5	1-Nov-19	**Holiday**
	6	2-Nov-19	
	Sunday	3-Nov-19	
17th week	1	4-Nov-19	
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	4	7-Nov-19	
	5	8-Nov-19	
	6	9-Nov-19	
	Sunday	10-Nov-19	
18th week	1	11-Nov-19	TEST
	2	12-Nov-19	
	3	13-Nov-19	
	4	14-Nov-19	
	5	15-Nov-19	
	6	16-Nov-19	
	Sunday	17-Nov-19	
			Topic

Name of assistant Professor :	**Kajal Rani**
Class :	M.A Final
Semester:	Third
Subject:	Oceanography

	Day	**Date**	**Topic**
1st Week	1	16-Jul-19	**UNIT-1)** Definition and scope of oceanography,
	2	17-Jul-19	major sea voyages,
	3	18-Jul-19	oceanography and other sciences;
	4	19-Jul-19	distribution pattern of land and sea,
	5	20-Jul-19	origin of ocean basins:
	Sunday	21-Jul-19	
2nd Week	1	22-Jul-19	wegner's drift hypothesis, and
	2	23-Jul-19	sea floor spreading and
	3	24-Jul-19	plate techtonics.
	4	25-Jul-19	**UNIT-2)** Depth of ocean,
	5	26-Jul-19	ocean floor profile- continental shelf,
	6	27-Jul-19	slope, ridge,
	Sunday	28-Jul-19	
3rd week	1	29-Jul-19	and deeps,

	2	30-Jul-19	abyssal plains;
	3	31-Jul-19	**Holiday**
	4	1-Aug-19	submaine canyons;
	5	2-Aug-19	coral reefs-origin and distribution;
	6	3-Aug-19	ocean deposits;
	Sunday	4-Aug-19	
4th week	1	5-Aug-19	configuration of ocean floors
	2	6-Aug-19	of Indian and Atlantic ocean.
	3	7-Aug-19	**UNIT-3)** Temperature of oceans;
	4	8-Aug-19	salinity in oceans;
	5	9-Aug-19	density of oceans;
	6	10-Aug-19	dynamics of ocean currents;
	Sunday	11-Aug-19	
5th week	1	12-Aug-19	**Holiday**
	2	13-Aug-19	currents of Atlantic,
	3	14-Aug-19	Pacific and
	4	15-Aug-19	**Holiday**
	5	16-Aug-19	Indian Ocean;
	6	17-Aug-19	tides and origin;
	Sunday	18-Aug-19	
6th week	1	19-Aug-19	Tsunami.
	2	20-Aug-19	**UNIT-4)** Ocean currents and
	3	21-Aug-19	their impact on climate and economy;
	4	22-Aug-19	oceans as source of food,
	5	23-Aug-19	mineral and
	6	24-Aug-19	**Holiday**
	Sunday	25-Aug-19	
7th week	1	26-Aug-19	energy resources;
	2	27-Aug-19	sea-level changes;
	3	28-Aug-19	evidences,
	4	29-Aug-19	mechanism and
	5	30-Aug-19	impact;
	6	31-Aug-19	maritime laws.
	Sunday	1-Sep-19	
Subject Name	**Disaster Management**		
	Open Elective Subject		
8th week	1	2-Sep-19	**Unit-1) Disaster**- causes and phases of disaster ,
	2	3-Sep-19	rapid onset and slow onset disasters
	3	4-Sep-19	Nature and responses to geo-hazards,
	4	5-Sep-19	trends in climatology,
	5	6-Sep-19	meterology, and hydrology.

	6	7-Sep-19	Seismic activities.
	Sunday	8-Sep-19	
9th week	1	9-Sep-19	Changes in coastal zone,
	2	10-Sep-19	coastal erosion,
	3	11-Sep-19	beach protection.
	4	12-Sep-19	coastal erosion,
	5	13-Sep-19	Coastal erosion due to natural and manmade stuctures.
	6	14-Sep-19	**UNIT-2) Floods and Cyclones:** causes of flooding,
	Sunday	15-Sep-19	
10th week	1	16-Sep-19	hazards associated with flooding.
	2	17-Sep-19	Flood forecasting.
	3	18-Sep-19	Flood management, integrated flood management and
	4	19-Sep-19	information system(IFMIS)
	5	20-Sep-19	Water related hazards- structure and nature of tropical cyclo
	6	21-Sep-19	Tsunamis- causes and
	Sunday	22-Sep-19	
11th week	1	23-Sep-19	**Holiday**
	2	24-Sep-19	physical characteristics,
	3	25-Sep-19	mitigation of risks.
	4	26-Sep-19	**UNIT-3) Earthquakes:** Causes and
	5	27-Sep-19	characteristics of ground-motion,
	6	28-Sep-19	earthquake scales,
	Sunday	29-Sep-19	
12th week	1	30-Sep-19	magnitude and intensity,
	2	1-Oct-19	earthquake hazards and risks,
	3	2-Oct-19	**Holiday**
	4	3-Oct-19	volcanic land forms,
	5	4-Oct-19	eruptions,
	6	5-Oct-19	early warning from satellites,
	Sunday	6-Oct-19	
13th week	1	7-Oct-19	risk mitigation and training,
	2	8-Oct-19	**Holiday**
	3	9-Oct-19	landslides.
	4	10-Oct-19	**Mitigation efforts:** UN draft resolution on strengthening of c
	5	11-Oct-19	of Humanitarian Emergency Assistance,
	6	12-Oct-19	International Decade for Natural Disaster Reduction (IDNDR),
	Sunday	13-Oct-19	
14th week	1	14-Oct-19	Policy for disaster reduction,
	2	15-Oct-19	problems of financing
	3	16-Oct-19	and insurance.
	4	17-Oct-19	**Holiday**

	5	18-Oct-19	
	6	19-Oct-19	
	Sunday	20-Oct-19	
15th week	1	21-Oct-19	REVISION OF SYLLABUS
	2	22-Oct-19	
	3	23-Oct-19	
	4	24-Oct-19	
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	6	26-Oct-19	
	Sunday	27-Oct-19	
			Vacations
16th week	1	28-Oct-19	
	2	29-Oct-19	
	3	30-Oct-19	
	4	31-Oct-19	
	5	1-Nov-19	**Holiday**
	6	2-Nov-19	
	Sunday	3-Nov-19	
17th week	1	4-Nov-19	
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	5	8-Nov-19	
	6	9-Nov-19	
	Sunday	10-Nov-19	
18th week	1	11-Nov-19	TEST
	2	12-Nov-19	
	3	13-Nov-19	
	4	14-Nov-19	
	5	15-Nov-19	
	6	16-Nov-19	
	Sunday	17-Nov-19	

Name of assistant Professor :	**Kajal Rani**
Class :	M.A GEOG
Semester:	THIRD
Subject:	Practical : Field Work

	Day	Date	Topic
1st Week	1	16-Jul-19	Field Work in Geographical studies- Role,
	2	17-Jul-19	value and ethics;
	3	18-Jul-19	field techniques- merits and demerits;

	4	19-Jul-19	source of data- primary and secondary;
	5	20-Jul-19	collection of data: methods of primary data collection-
	Sunday	21-Jul-19	
2nd Week	1	22-Jul-19	observation method,
	2	23-Jul-19	interview method,
	3	24-Jul-19	through questionnaire,
	4	25-Jul-19	through schedule and other methods;
	5	26-Jul-19	Questionnaire and schedule;
	6	27-Jul-19	processing
	Sunday	28-Jul-19	
3rd week	1	29-Jul-19	and anaalysis of data.
	2	30-Jul-19	Field work
	3	31-Jul-19	**Holiday**
	4	1-Aug-19	and Report writing:
	5	2-Aug-19	Identification of research problem;
	6	3-Aug-19	data collection throgh field visit;
	Sunday	4-Aug-19	
4th week	1	5-Aug-19	preparing research design-
	2	6-Aug-19	aims and objectives,
	3	7-Aug-19	methdology,
	4	8-Aug-19	analysis,
	5	9-Aug-19	interpretation and
	6	10-Aug-19	writing of report.
	Sunday	11-Aug-19	
5th week	1	12-Aug-19	**Holiday**
	2	13-Aug-19	**PRACTICAL-2** **GIS**
	3	14-Aug-19	1) Introduction to Digital environment i.e
	4	15-Aug-19	**Holiday**
	5	16-Aug-19	file creation and management
	6	17-Aug-19	2) Introduction to GIS software
	Sunday	18-Aug-19	
6th week	1	19-Aug-19	3) Shape file creation of point,
	2	20-Aug-19	line
	3	21-Aug-19	and polygon
	4	22-Aug-19	4) Digitization
	5	23-Aug-19	5) Map layout: title,
	6	24-Aug-19	**Holiday**
	Sunday	25-Aug-19	
7th week	1	26-Aug-19	legend ,
	2	27-Aug-19	direction,
	3	28-Aug-19	scale,

	4	29-Aug-19	coordinate information
	5	30-Aug-19	6) Map prepration of point,
	6	31-Aug-19	linear,
	Sunday	1-Sep-19	
8th week	1	2-Sep-19	and areal features
	2	3-Sep-19	7) Map editig
	3	4-Sep-19	8) Area calculation
	4	5-Sep-19	9) Buffer analysis
	5	6-Sep-19	10) Overlay analysis
	6	7-Sep-19	
	Sunday	8-Sep-19	
9th week	1	9-Sep-19	REVISION
	2	10-Sep-19	
	3	11-Sep-19	
	4	12-Sep-19	
	5	13-Sep-19	
	6	14-Sep-19	
	Sunday	15-Sep-19	
10th week	1	16-Sep-19	
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11th week	1	23-Sep-19	**Holiday**
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13th week	1	7-Oct-19	
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	Sunday	13-Oct-19	
14th week	1	14-Oct-19	TEST
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	4	17-Oct-19	**Holiday**
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	Sunday	20-Oct-19	
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16th week	1	28-Oct-19	
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18th week	1	11-Nov-19	
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	Sunday	17-Nov-19	

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