

# Regulations & Syllabus for P.G. DEPARTMENT OF STUDIES IN GEOGRAPHY

M. Sc III Semester
Choice Based Credit System
CBCS

WITH EFFECT FROM 2015-16 & ONWARDS



# Department of Studies in Geography Choice Based Credit System (CBCS)

### M. Sc III<sup>rd</sup> Semester Geography

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Paper	Subject Title	Theory/ Practical Hour per week	Core & Elective	Credits	Duration of Exam hours	Max. of marks	I.A marks	Total
	Theory paper:							
3.1	Geography of Tourism and Recreation	4	Core	4	3	80	20	100
3.2	Fundamentals of Remote Sensing & GIS	4	Core	4	3	80	20	100
3.3	Optional Papers: Choice any one:							
	a) Population Geography	4	Core	4	3	80	20	100
	b) Agricultural Geography	4	Core	4	3	80	20	100
	c) Geography of Settlements	4	Core	4	3	80	20	100
3.4	Open Elective: For Competitive Examinations (Choice any one)							
	a) Regional Geography of India	4	<b>Elective</b>	4	3 3	80	20	100
	b) Regional Geography of Karnataka	4	Elective	4	3	80	20	100
	Practical paper:							
3.5	Practical-I Quantitative Techniques in Geography	4	Core	4	4	80	20	100
3.6	Practical- II Study of Aerial Photographs & Satellite Imageries	4	Core	4	4	80	20	100

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### M. Sc IIIrd Semester Geography

### PAPER- 3.1 GEOGRAPHY OF TOURISM AND RECREATION

**Objectives:** The objective of this course is to understand the nature of man-environment relationship and human capability to adopt and modify the environment under its varied conditions and to understand the impact of tourism on physical and human environments. This course further aims to familiarize tourist spots, places, and its interaction, and to orient the students to the logistics of tourism industry and the role of the tourism in the regional development.

developine					
	<u>Structure:</u>				
Unit- I	Basics of	Tourism: Definition and concept of tourism-	10 hours		
	Approaches	to study of tourism- Tourism system- Factors			
	affecting of t	ourism.			
Unit- II	Evolution of	tourism: Early beginning and its growth, Influence	12 hours		
	of Industrial	ization and Modernization on changing perception			
	of tourism. F	Robinson's classification of tourism- Forms and			
	types of tour	ism: Business, Domestic, National, International,			
	Inter and Int	ra regional and Holiday's tourism.			
Unit- III	Structural	components and characteristics of Tourism -	12 hours		
	motivation fa	actors- Tourism as Industry- functions of tourism			
	with reference	ce to developed & developing nations.			
Unit- IV	Impact of to	urism: Tourism and environment Influence of	12 hours		
	tourism on F	Physical and Socio- Economic conditions- air and			
water quality, Employment, labour, sectoral linkages and issues					
of conservation.					
Unit-V	Tourism D	evelopment: Important tourist sites/places in	12 hours		
	Karnataka	and India, Historical perspective of tourism			
development in Karnataka –Resource potentialities of tourism,					
	Regional pol	icies of tourism and its development, Role of public			
	and private	sector in the development of tourism, Impact			
	Tourism on	society and environment.			
	l	REFERENCE:			
1 Bhatia	a.A.K (1991)	Dynamics of Tourism and Recreation, Inter India, New Delhi			
	a.A.K (1991)	International Tourism, Fundamentals and practices, sterling, N			
	a.A.K (1991)	Tourism Development, Principles and Practices, Sterling, Bang			
_	ove. I &	The Geography of Recreation and Leasure, Hutchinson, London	on.		
	on. R (1972)				
	g.N.K.(1996) Tourism and Economic Development, Avishkar, Jaipur.				
	nter. C& Tourism and Environment, A Sustainable Relationship.				
	. Н (1995)				
Hudso		Geography of Tourism, Daya publishing House, New Delhi.			
	R.K. (1985)	Dynamics of Tourism and Recreation, Inter-India, New Delhi.			
	ri.S.P (1994)	Tourism Dimensions, Atmaram Publisher, New Delhi.			
	Abinson.H.(1996) A Geography of Tourism, Macdonald and evans, London.				
9 Hagge	et. P.(1979)	Geography: A Globak Synthesis, Prentice Hall, London.			
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### M. Sc IIIrd Semester Geography

#### PAPER-3.2 FUNDMENTALS OF REMOTE SENSING AND GIS

**Objectives:** The main objective of the course is to introduce to the students the basic principles of Remote sensing and GIS, to indicate the methods of visual and digital interpretations of satellite imageries. To introduce the students that GIS is a tool of spatial science and art of representing various types of data with aid of GIS technology. The course further aimed at introducing the basic elements of GIS, and remote sensing, methodology and its application in the study of geography.

GIS, and re	emote sensing, methodology and its ap	oplication in the study of geography.			
Course S	Structure:				
Unit- I	Remote Sensing: Definition, nature and scope – types of Remote Sensing, 07 hours				
	Comparison of Ariel remote sensing	_			
	advantages and limitation of satellite				
Unit- II	EMR and Remote sensing: Energy sources - Electro Magnetic s Radiation – 10 hours				
	Spectral regions –EMR & its interaction with matter & atmosphere, Sensors				
	and platforms- Landsat, SPOT, IRS & Radarsat, - Thermal & Microwave remote sensing,				
Unit- III	9	to Aerial photography, types of aerial	10 hours		
		nage recognition. Stereoscopes & stereo	10 Hours		
		of Landuse / Landforms; interpretation of			
	rock types, landuse, cultural features	-			
Unit- IV		d significance of GIS, Basic concept	08 hours		
	of Geographical Information Syst	tem (GIS). Introduction to Geographic			
	Information system. Advantages,	Disadvantages,			
Unit-V	Components of GIS, History of	GIS- Objectives of GIS - Spatial data,	10hours		
	Attribute data, Integration of Spat	tial and Attribute data- Data Structure-			
	Raster & Vector Components – Data input, output, Data Management.				
	Application of GIS and data analysis.				
	REFERENCE:				
1	Borrough P.A (1986), Principles of Geographic information system for land				
		resources, Clarendon press, Oxford.			
2	Bernhardsen, Tor (1999)	Geographic Information Systems: An Int			
3	Chrisman N.R. (1997)	Remote sensing and Geographical inform	nation		
		systems	T. C		
4	Clarke, Keith C. (1999)	Getting Started with Geographic	Information		
	Chang Vang taung (2002)	Systems,	Evatoma		
5	Chang, Kang-taung (2002) Demers, Michael N. (2000)	Introduction to Geographic Information S Fundamentals of Geographic Information			
5 6	Haywood, Ian (2000)	Geographical Information Systems, Long			
7	Sabbins.F.F (1987),	Remote sensing: principles and interpreta	2		
'	5400HS.1°.1° (1707),	W. H. Freeman and Co, New York.			
8	Kang-Tsung Chang (2008)	Introduction to Geographic Information S	Systems,		
		Tata McGraw Hill	,		
9	Sabbins.F.F (1987),	Remote sensing: principles and interpreta	itions		
		W. H. Freeman and Co, New York.			
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### M. Sc IIIrd Semester Geography

### PAPER-3.3 –(a) POPULATION GEOGRAPHY (Optional)

**Objectives:** The objectives of this course are to understand the spatial and structural dimensions of population and emerging issues. The course is further aimed at familiarizing the students with global and regional level problems and also equips them for comprehending the Indian situation.

	Structure:	on for comprehending the malan struction.		
		manhy and nanulation Coomanhy	10 hours	
Unit- I		graphy and population Geography.	12 hours	
		raphy & population. Demographic		
		onships. Demography – Population,		
	Geography as specialize			
	Significance and Sources of	Population Data.		
Unit- II	Factors Affecting Population	distribution population, Density of	08 hours	
	population distribution - Wo	orld and India, Population		
	Composition –Sex Ratio, Age, and Occupation pattern.			
Unit- III		rminants of Fertility and Mortality	10 hours	
		Population Growth and it's Changes	10 110 011 0	
		sition Theory. Migration –Types of		
	Migration, Causes and Con-			
Unit- IV	Population and resources –		10 hours	
OIIIt- IV	Population and Under Population		10 Hours	
	1 -	· •		
	Regions, Malthusian Theory	and Kan Marx's Theory of		
TT *: T7	Population.	1' ' ' I 1' D 1' ' ' I DO 1	00.1	
Unit-V	1	licies in India. Policies in LDCs and	08 hours	
	MDCs. Methods population			
	RE	EFERENCE:		
1	Barrett H.R.(1992)	Population Geography, Oliver and Bo	yd	
		Longman House,		
2	Bhende Asha &	Principles of population Studies, Him	alaya	
	Kanitkar Tara(1975)	Publishing House, Bombay		
3	Chandna,R.C. & Manjits.	Introduction to Population Geography	У	
	Sidhu(1980)	Kalyani Publishers, New Delhi.		
4	Chandana, R.C. (1984)	Geography of Population,		
	G : ID (1076)	Kalyani Publisher, Ludhiana.		
5	Garnier, J.B. (1976)	Geography of Population,		
_	C	Longman Group Ltd., London.		
5	GeorgeJ.Demlo et.al(1970)	Population Geography: A Reader, McGraw Hill Book Co. New York.		
-	Harrian Dhilin M 9-	The Study of Population,		
6	Hausier, Philip M &	University, Press, Chicago.		
7	Duncan (Eds.)(1959) Hussein, Majid (1999)	Human Geography (2Ed.), Rawat Pub	lications	
7	Trusselli, Majiu (1999)	Jaipur.	meauons,	
8	John,I.Clarke (1972)	Population Geography Indeed,		
O	Oomi,i.Clarke (1912)	Pergamum Press, Oxford.		
9	Sinha V.C(1979)	Dynamics of India's Population Grow	th	
9		National Publishing House, New Delh		
10	Smith,T.L)1960)	Fundamental of Population Studies, 1		
10		London.	PP	
11	Trewartha, G.T. (1959)	A Geography of Population; World pa	tterns.	
	(2202)	John Wiley & Sons Inc. New York.	<del> ,</del>	
12	Zelinsky, W (1966)	A Prologue of Population Geography,		
	3, (,	Prentice Hall Inc, M.J.		
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### M. Sc IIIrd Semester Geography

### PAPER-3.3-(b) AGRICULTURAL GEOGRAPHY (Optional)

**Objectives:** To familiarize the students with concept, origin, and development of agriculture; and to examine the role of agricultural determinants towards changing pattern of crops, specialization, intensity, productivity. The course further aims to familiarize the students with the application of various theories models and classification schemes of cropping pattern and productivity. The objective of the course is to discuss the environmental, technological and socio-economic issues in agricultural sector with special reference to India and world.

	Standard world.			
Unit- I	Structure: Nature Scope & Significance	of Agricultural Geography, Origin	10 hours	
OIIIt- I			10 Hours	
		and approaches to the study of		
		llesey's world classification of		
	agriculture region			
Unit- II	Determinants of agriculture: Physical, Economic, Social,			
	Institutional and Technolog	gical. Green Revolution, White		
	Revolution, Blue Revolution as	nd their significance.		
Unit- III	Models in Agricultural Geogra	aphy – Nature and significance of	10 hours	
	Agricultural models, Classifie	cation of models, Input, output-		
	Decision making- Diffusion	n. Von-Tunnen's model and		
	Johansson's model.			
Unit- IV	Productivity and Efficience	cy. Methods of Agricultural	10 hours	
	Regionalization: Weaver's	Crop Combination, Crop		
	Concentration by Bhatia. S	S. S and Agricultural Efficiency		
	regions by Kendall's.			
Unit-V	Ecological Implications of Green Revolution- Salinition, Water 08hou			
	logging, Soil pollution and Hea	alth Hazards.		
	REF	TERENCE:		
1	M. Shafi, (2006)	Agricultural Geography"		
		Dorling Kindersley (India) Pvt, Ltd Licensees of Pearson Education in		
		South Asia. New Delhi.	L	
2	Majid Hssain, (2002)	Systematic Agricultural Geograph	y"	
2	N N 1	Rawat Publication, Jaipur.	1	
3	Noor Mohammed	Perspectives in Agricultural Geographics Vol. I to II, Concept publishing con	1 5 /	
		New Delhi.	mpany,	
4	Sing and Dhillin,(2000):	Agricultural Geography",		
		Tata Mcgrow – Hill publishing con New Delhi.	npany ltd,	
5	Jasbir Sing,	Agricultural Geography.		
6	<u> </u>			
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### M. Sc IIIrd Semester Geography

### PAPER-3.3-(c) SETTLEMENT GEOGRAPHY (Optional)

<u>Objectives:</u> The aim is to acquaint the student with spatial and structural characteristics of Human settlement under varied environmental conditions, to enable them to diagnose spatial issues related to urban and rural settlements. The course also enable students to equip themselves for concerns in various agencies linked with the socio- economic well being of human communities and planning of human settlements

	mmunities and planning of numar	n settlements			
	<u>Structure:</u>				
Unit- I	Nature and scope of settlement of geography. Origin and growth of Rural and urban settlements. Rural as opposed to urban. Definition and characteristics of rural settlements. Human settlements as functional system.				
Unit- II	Pattern and types of rural Settlements. Concept of Rural-Urban continuum. Rural settlements as a service and market centre. Chaining socio-economic structure of rural settlements, rural de-population. Rural planning and integrated development in India.				
Unit- III	Evolution of Towns with regard to site and situation - Urbanization, Trend of urbanization, Urban influence, Urban Fringe, Urban Sprawl and urban renewal. Size and spacing of urban settlements, Urban hierarchy, and rank size rule relationships.				
Unit- IV	The economic base of urban centers & classification on the basis of size & function. Central Business District (CBD) its Characteristics. Central Place theory by W. Christaller- Urban functions- Functional classification of towns-Webb's, Nelson. H. J. Harris. C. D.				
Unit-V	Sector Model by Homer Hoyt.iii)	centric Zone Model by E.W. Burgess, ii) i) Multiple Nuclei Model by Harris and ban renewal, and its planning. Master plans			
	REF	FERENCE:			
1	Alexander J.W.(1991)	Economic Geography. Prentice Hall of Delhi.	of India. New		
2	Carter H.(1975)	The study of urban geography. Edward Arnold, London.			
3	David Peter & Hopkinson M.(1983)	The geography of settlements, Oliver & Boyot, Edinburph			
4	Haggett Peter (1991)	Geography a modern synthesis, Harp New York.	oer & Row,		
5	Johnston J.H.(1974)	Urban Geography, Pergoman Press, 0	Oxford.		
5	Johnston R,.J.(1984)	City & Society. Unwin hyman, Londo	n.		
6	King L.J.& Golledge R.G.(1978)	Cities, space & Behavior, Prentice Hall, engle wood cliff, New J	•		
7	Mandal R.B.(2000)	Urban Geography, Concept Publishir	ng Co. Delhi.		
8	Mayer H. M. & Cohen [1967)	Readings in Urban Geography, Central Book depot. Allahabad.			
9	Northam ray M.(1975)	Urban Geography, John Willey & Sons, New York.			
10	Ramachandran R.(1991)	Urbanization and Urban Systems in Delhi.	India,.new		
11	Robinson,Brian T(1973	Urban growth, Mathuen & Company	, London.		
12	Sidhartha K.& Mukherjee. S.(2000):	Cities-Urbanizations & Urban System Kisalaya pub. Pvt.Ltd.,New Delhi.	ns.		
13	Yeates & Garner (1971)	Readings in Urban Geography. The North American City. Harper & Row. New York.			
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#### M. Sc IIIrd Semester Geography

### Paper 3.4 (A)- REGIONAL GEOGRAPHY OF INDIA

(For Competitive Exam)
OEC- (Open Elective)

**Objectives:** To understand the India in terms of various physical divisions, their important characteristics and intra-regional and inter regional linkages and to analyze natural and human resource endowments and their conservation and management. The study also synthesis the students with development issues and polices and programmes design for regional development.

Course S	Structure:				
Unit- I	Location-size and shape- Administ	rative divisions -Economic position of	10 hours		
	India. Physiography: Himalayas, pla	ins, Deccan plateau, & coasts. Drainage			
	system: Northern (Himalayan) rive	ers, Southern rivers Climate: Seasons,			
	Monsoon and mechanism of monsoons. Soils: types of soils. Natural				
	vegetation and its types.				
Unit- II	Irrigation, types of Irrigation-Major multi-purpose projects-DVC, Bhakra 12 hou				
	Nangal, Nagarjunasagar, Tungabhadi	ra.			
	Agriculture- types of crops- Distribut	tion and production of major crops: Rica,			
	Wheat, Sugarcane, Cotton, Tea,	Coffee and Horticulture: types of			
	horticultural crops.				
Unit- III	Mineral and power recourses: Class	ssification of Minerals-Distribution and	12 hours		
	production of Iron Ore, Manganese.	, Coal, Gold Petroleum, and Natural gas,			
		India, Distribution and production of			
		eel, Chemical, Automobile industries.			
Unit- IV			12 hours		
OIIIt- IV					
	literacy. Settlements and types of settlements-Regional disparities and				
	measures of regional disparities.				
Unit-V		ces on the map of India: capitals, towns,	05 hours		
	cities, Rivers, Mountains, Minerals	, Industries Tourist spots, wild life and			
	Airports, and ports.				
	REF	ERENCE:			
1	Chopra S.N	India an area study.			
2	Dubey and Negi	Economic Geography of India.			
3	Gopal Singh	Geography of India.			
4	Khulhar	Regional geography of India.			
5	Singh R.L	Regional geography of India.			
5	Sharma and Continuo:	Economic and commercial Geography of			
6	Ranganath	Regional and economic Geography of Ind	dia		
7	Couder M.D.	(KanVer)Vidyanidhi , Gadag,	`		
7	Goudar.M.B	Economic Geography of India.( Kan, Ver Vidyanidhi, Gadag	.)		
8	Mallappa	Geography of India (Kan.Ver)			
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### M. Sc IIIrd Semester Geography

#### SEMESTER-III

## Paper 3.4 (B)- REGIONAL GEOGRAPHY OF KARNATAKA (For Competitive Exam) (Open Elective)

**Objectives:** To understand the Karnataka in terms of various physical divisions, their important characteristics and intra-regional disparities in agriculture, and industries and to analyze natural and human resource endowments and their conservation and management.

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	<u>Structure:</u>		10 hours		
Unit- I	Karnataka: Location and extent, Administrative divisions- Physical divisions-				
	Malanad, Maidan and Costal. Drainage: East flowing and West flowing				
	rivers. Climate-Mechanism of M	onsoon, Soil and its types, and Natural			
	Vegetation				
Unit- II	Water resource and Major River Projects -Tungabhadra, Krishna and				
	Cauvery. River water disputes.	Irrigation-types of Irrigation. Agriculture			
	Crops-Rice, Jowar, Groundnut,	Tobacco and Sugarcane, Tea Coffee			
	cultivation, distribution and Produc	tion.			
Unit- III	Mineral Resources and Industries-	Iron ore and Manganese, Bauxite.	12 hours		
	Industries: Iron and Steel, Sugar, co	otton and Paper, Software Industries.			
	Transport: Road, Railway and Air.				
Unit- IV	IV Human Resource: Growth & Trend of population, Density distributional		12 hours		
	pattern of population and its problems. Literacy, sex ratio, Urbanization –				
	Definition, Urbanization in Karnataka, Regional Disparities and remedial				
	measures to reduce regional imbalances.				
Unit-V	Locating and labeling the given	places on the map of Karnataka: Towns	12 hours		
	Tourist spots, Industries, Major Ports of Karnataka. Knowledge based				
	Industries, Rivers				
	RE	FERENCE:			
1	Karnataka State Gazetteer	Karnataka State Gazetteer,			
	Department Govt. of Karnataka	Volume- I & II			
2	Bangalore Mallappa. P	Geography of Karnataka			
_					
4	Triunuppu. T	(Kannada Version)			
3	Misra R.P	(Kannada Version) Geography of Mysore State			
	**				
3	Misra R.P	Geography of Mysore State			
3	Misra R.P  NBK Reddy and Murthy G.S  Ranganath  Nanjannavar S. S. &	Geography of Mysore State  Regional Geography of Mysore State			
3 4 5 5	Misra R.P  NBK Reddy and Murthy G.S  Ranganath	Geography of Mysore State  Regional Geography of Mysore State  Regional Geography of Karnataka			
3 4 5	Misra R.P  NBK Reddy and Murthy G.S  Ranganath  Nanjannavar S. S. &	Geography of Mysore State  Regional Geography of Mysore State  Regional Geography of Karnataka			

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### M. Sc IIIrd Semester Geography

### PAPER- 3.5 QUANTITATIVE TECHINIQUES (Practical-I)

**Objectives:** The aim of this course is to provide some basic statistical procedures and quantitative methods to the students to be applied in to various themes in geography. To provide basic training for understanding these techniques and to apply and interpret the results derived, further the course aims to provide intensive training for in-depth Study of these techniques towards analyzing the geographical problems.

Course S	Structure:			
Unit- I	Significance of quantitative	methods in Geography-Population	08 hours	
	projection, semi average me	ethod -Least square method.		
Unit- II	Lorenz curve, Rank size rul	e, Nearest Neighbor Technique.	12 hours	
	Functional classification of town by Webber, Centrogrophic			
	Analysis and Shape Index,	Sphere of Unban influence.		
Unit-III	Agricultural Efficiency by Kendall's method 10 h			
	Index of Concentration by E	Bhatia. S. S -		
İ	Gibb's method of Index of d	iversification-		
İ	Crop Combination by Weav	er, Doi, Rafiullah and Athawale.		
Unit-IV	Network analysis (Detour Ir	ndex).Topological properties of	10hours	
İ	graphs, (by Garrison) Conn	ectivity matrix of the graph. Alpha		
İ	Index, Beta Index, and Gan	na Index, Breaking point theory.		
Unit-V	Application of quantitative	Methods in the Geographical	05 hours	
	Research.			
	RE	FERENCE:		
1	Aslam Mahmood (1977)	Statistical methods in geographic	al	
		studies Rajesh Pub. New Delhi.		
2	Gregory s. (1963)	Statistical methods and the Geog	rapher,	
		Longman's London.		
3	Hammond R.&	Quantitative Techniques in Geogr	raphy	
	Mc Cullagh P.(1974)	Clarendon Press, Oxford.		
4	Haring, Lloyed (1975)	Scientific Geographic Research		
		W. C. Brow Company, U.S.A.		
5	Hagget peter (1990)	Geography a modern synthesis. I	Harper	
		International, New York.		
5	Kothari, C.R.(1996)	Research methodology.		
		Vishwas Prakashan, New Delhi.		
6	Mishra, R.P.(1991)	Research methodology in Geogra	phy.	
<u> </u>		Concept Publishing, New Delhi.		

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### M. Sc IIIrd Semester Geography

### PAPER- 3.6 STUDY OF AERIAL PHOTOGRAPHS & SATELLITE IMAGERIES (Practical-II)

**Objectives:** The main objective of the course is to introduce to the students that the basic principles of GIS. To introduce the students that GIS is a tool of spatial science and art of representing various types of data with aid of GIS technology. The course further aimed at introducing the basic elements of GIS, methodology and its application in the study of geography.

	tion in the study of geograph	<i>y</i> ·				
	e Structure:		08 hours			
Unit- I	Introduction to Aerial P					
	taking photographs and '	Types of Aerial Photographs, Difference				
	between aerial photo, sate	between aerial photo, satellite imageries and Maps.				
Unit- II	Determination of Scale of	Determination of Scale of Aerial Photographs, Geometry of Aerial				
	Photographs and scale of	a vertical photographs				
Unit- II	I Elements of Aerial Phot	o Interpretation, Pair of photographs,	12 hours			
	Use of Pocket Stereoscop	pe, Mirror Stereoscope, Sketch Master				
	Parallax bar and its adva	ntages and disadvantages and 3-D view				
Unit- I	V Interpretation of Vertica	l Aerial Photographs with reference to	08 hours			
	land use, settlement pa	attern, drainage pattern and natural				
	vegetation					
UNIT-V	Remote Sensing: me	aning, Remote Sensing Satellites,	08 hours			
	Comparison of aerial ph	otographs and satellite imageries and				
	Interpretation of satellite imageries (Visuals)					
		REFERENCE:				
1	Chrisman N.R. (1997)	Remote sensing and Geographical Info	rmation			
	,	Systems				
2	Colwell, R. N. ed. (1960)	Manual of Photographic Interpretation,	Falls			
		Church, Va: American Society of Photogrammetry				
3	Kang-tsung Chang (2008)	Introduction to Geographic Information	Systems			
		Tata McGraw Hill	-			
4	Lillesand, T. M. &	Remote Sensing and Image Interpretati	ions John			
	R. W. Kiefer (1979)	Willey& Sons Inc, New York				
5	K. Kumarswamy	Remote Sensing for Environmental Stu				
6	Poul. R. Wolf (1985)	Elements of Photogrammetry, Mc. Graw	•			
7	Roscoe, J. H. (1960)	International Book Company, New York Photo Interpretation in Geography, In I				
'	1.00000, 0. 11. (1900)	Photographic Interpretation, edited by				
		Colwell, Falls Church, Va: American So				
		Photogrammetry				
8	Sabbins.F.F (1987)	Remote sensing: principles and Interpr	etations",			
0	Thomas Fugers Arrange	W. H. Freeman and Co, New York	Ainnhata			
9	Thomas Eugene Avery & Graydon Lennis Berlin	Fundamentals of Remote Sensing and Interpretation V <sup>th</sup> Edition, Macmillan P	_			
	Graydon Edinis Bernii	Company, New York	annonnig			
	<u> </u>	<b>00</b>				
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