B.Sc. Geography

Syllabus

AFFILIATED COLLEGES

Program Code: 22Q

2025 - 2026 onwards



BHARATHIAR UNIVERSITY

(A State University, Accredited with "A++" Grade by NAAC, Ranked 21st among Indian Universities by MHRD-NIRF)

Coimbatore - 641 046, Tamil Nadu, India

Progran	Program Educational Objective (PEOs)							
	The main qualification descriptors for the B.Sc., geography students are to develop the critical evaluation and understanding.							
PEO1	Appreciate the significance of geographical knowledge to everyday life.							
PEO2	Inculcate the ability to evaluate and solve geographical problems effectively.							
PEO3	Demonstrate the skills in using geographical research tools including spatial statistics, cartography, remote sensing and GIS.							
PEO4	Studentshavetodemonstratetheirgeographicalknowledgeacquiredintheclassand apply the same in real world.							
PEO5	Based on the field knowledge and advanced technologies, the students should be able to understand the on-going geographical problems in different regions and levels with appropriate pragmatic solutions.							



Program	Program Specific Outcomes (PSOs)						
After the	After the successful completion of Geography program, the students are expected to						
PSO1	Understand the relevance of geographical knowledge to everyday life.						
PSO2	Getting the ability to communicate geographic information utilizing both lecture and practical exercises.						
PSO3	Inculcate the ability to evaluate geographical problems effectively.						
PSO4	Recognize the skill development in Geographical studies programme as part of career avenues in various fields like teaching, research and administration.						
PSO5	Display an ability to read and understand maps and topographic sheets to look at the various aspects on the space.						



Progra	Program Outcomes (POs)						
On suc	On successful completion of the B. Sc. Geography program						
PO1	Demonstrating the understanding of basic concepts in geography. Display an ability to read and understand maps and topographic sheets to look at the various aspects on the space.						
PO2	Recognize the skill development in Geographical studies programme as part of career avenues in various fields like teaching, research and administration. Cultivate ability to evaluate critically the wider chain of network of spatial aspects from global to local level on various time scales as well.						
PO3	An understanding of landscape at different levels needs to be discussed and understood for a thorough knowledge of spatial dimensions. To comprehend the dynamic dimensions of human and ecosystem relationships.						
PO4	Field based knowledge is essential to understand the ground reality, spatial patterns and processes. Use of statistical tools and techniques is essential for precise and objective geographic analysis and interpretation of complex phenomena.						
PO5	Identification of the critical problems and spatial issues form the core of the modern geography for various applications and decision making, including Resources, Environment & Disaster Management, Land Use Planning, and Urban and Regional Development together with Climate Change Mitigation and Adaptation, etc.						
PO6	Communication through models, maps, images and other geographical tools form the sound base for the dissemination of geographical information.						
PO7	Learning human perception behavior to acquire the geographical knowledge evolved over time is essential to improve decision making process.						
PO8	Geographical knowledge needs to be inculcated for application and solutions of the various local, regional and national problems.						
PO9	Use of statistical tools and techniques is essential for precise and objective geographic analysis and interpretation of complex phenomena.						
PO10	There is a need to understand the specificities of the problems in specific areas for their in-depth comprehension and solution.						

BHARATHIAR UNIVERSITY: COIMBATORE 641 046. B. Sc. Geography Curriculum (Affiliated colleges)

(For the students admitted during the academic year 2025–2026 onwards)

Scheme of Examination

Course			Hours		Maximi Mark			
Code	Title of the Course	Credits	Theory	Practical	CIA	ESE	Total	
	FIRST SEMESTER	2						
1IT	Language – I	4	6	-	25	75	100	
12E	English – I	4	6	-	25	75	100	
13A	Core I – Fundamentals of Geomorphology - I	4	5	-	25	75	100	
13B	Core II – Geography of India	4	5	-	25	75	100	
1AC	Allied: Paper I – Statistics for Geography -I	4	6	-	25	75	100	
1FA	Environmental Studies #	2	2	-	-	50	50	
	Total	22	30	-	125	425	550	
	SECOND SEMESTE	CR /						
21T	Language – II	4	6	-	25	75	100	
22E	English – II	2	4	-	25	25	50	
	Language Proficiency for Employability http://kb.naanmudhalvan.in/Special:Filepath/Cambridge_Course_Details.pdf	2	2	-	25	25	50	
23A	Core III – Fundamentals of Geomorphology - II	4	5	-	25	75	100	
23P	Core IV – - Practical - Basics of Map Making	4	-	5	40	60	100	
2AC	Allied: Paper II - Statistics for Geography -II	4	6	-	25	75	100	
2FB	Value Education – Human Rights #	2	2	-	-	50	50	
	Swatch Bharat Summer Internship*	-	-	-	-	-	-	
	Total	22	25	5	165	385	550	

	THIRD SEMESTE	R					
31T	Language – III	4	6	-	25	75	100
32E	English – III	4	6	-	25	75	100
33A	Core V – Climatology	4	4	-	25	75	100
33B	Core VI – Population & Settlement	4	4	-	25	75	100
3AC	Allied: III – Elements of Cartography	4	4	-	25	75	100
3ZA	Skill Based Subject – Basics in Computers (Minimum 2 hrs. compulsory lab for a week)	3	3	-	20	55	75
3FB / 3FC / 3FD	Tamil @ / Advanced Tamil # (OR) Non – Major Elective – I (Yoga for Human Excellence) # / Women's Rights #	2	2	-	-	50	50
	Health and Wellness @	C 1	1	-	25	-	25
	Total	26	30	-	170	480	650
	FOURTH SEMEST	ER S	M				
41T	Language - IV	4	//6	-	25	75	100
42E	English – IV	111 pg 1 gg	6	-	25	75	100
43A	Core VII – Oceanography	4	4	-	25	75	100
43P	Core VIII – Practical – Map Interpretation and representation of Climatic Data	3	-	3	30	45	75
43Q	Allied IV – Practical - Cartography	3	-	3	30	45	75
4ZB	Skill Based Subject – Basics of GIS & GPS (Minimum 2 hrs. compulsory lab for a week)	3	3	-	20	55	75
4FB / 4FE	Tamil @ / Advanced Tamil # (OR) Non – Major Elective – II (General Awareness #)	2	2	-	-	50	50
	NAAN MUTHALVAN – Digital Skills for Employability – Office Fundamentals http://kb.naanmudhalvan.in/Special:Filepath/Microsoft_Course_Details.xlsx	2	3	-	25	25	50
	Total	25	24	6	180	445	625

	FIFTH SEMESTE	R					
53A	Core IX – Geography of Natural Regions of the World	4	6	-	25	75	100
53B	Core X – Geography of Tamil Nadu	3	6	-	20	55	75
53C	Core XI – Geography of Resources – I	4	6	-	25	75	100
53D	Core XII – Remote Sensing and its Applications in Geography	4	5	-	25	75	100
5EA	Elective I – Urban Geography	4	4	1	25	75	100
5EB	Skill Based Subject – Disaster Studies	3	3	-	20	55	75
	்குள்ளைக்க Total	22	30	-	140	410	550
	SIXTH SEMESTE	R.					
63A	Core XIII – Geography of Resources - II	த்தூர்	6	-	25	75	100
63B	Core XIV – Environmental Studies and Management	3	6	-	20	55	75
63P	Core XV – Practical – Surveying & Interpretation of Aerial Photos and Satellite Images (Minimum 2 hrs. compulsory lab for a week)	BL Gales	-	5	40	60	100
6EA	Elective II – Political Geography	4	5	-	25	75	100
6ED	Elective III – Regional Geography of South East Asia	4	5	-	25	75	100
6ZD	Skill Based Subject – Geography of Tourism	3	3	-	20	55	75
67A	Extension Activities @	2	-	-	-	50	50
	Other Item Swatch Bharat Internship Scheme – II	2	-	-	-	-	-
	Employability Readiness – Naan Mudhalvan Course	-	-	-	-	-	-
	Total	26	25	5	155	445	600
	Grand total	143	164	16	935	2590	3525

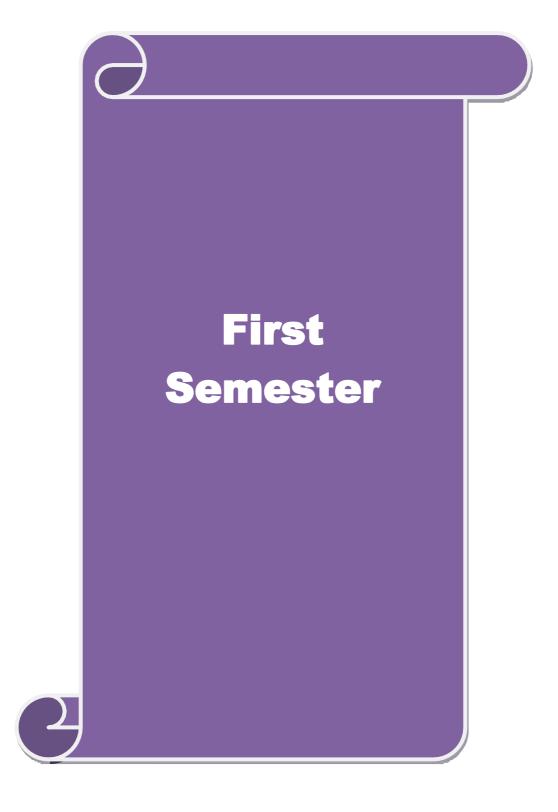
[@] No University Examinations. Only Continuous Internal Assessment (CIA) # No Continuous Internal Assessment (CIA), Only University Examinations.

List	List of Elective papers (Colleges can choose any one of the papers as Electives)					
Elective – I	A	Urban Geography				
	В	Natural disasters and Management				
	C	Bio-Geography				
Elective – II	A	Political Geography				
	В	Geography of USA				
	C	Regional Geography of Middle East				
Elective – III	A	Regional Geography of Southeast Asia				
	В	Geography of Japan				
	C	Medical Geography				

SCHEME OF VALUATION					
<u>CORE PAPERS</u>	ELECTIVE PAPERS				
CREDITS – 4; MARKS - 100	CREDITS – 4; MARKS – 100				
Marks Distribution:	Marks Distribution:				
Internal – 25 Marks	Internal – 25 Marks				
External – 75 Marks	External – 75 Marks				

SCHEME OF VALUATION						
SKILL BASED SUBJECT	NON MAJOR ELECTIVE					
CREDITS – 3; MARKS – 75	CREDITS – 2; MARKS – 50					
Marks Distribution:	Marks Distribution:					
Internal – 20 Marks	Internal – NIL					
External – 55 Marks	External – 50 Marks					

SCHEME OF VALUATION
CORE PRACTICAL SUBJECT
CREDITS – 4; MARKS – 100
Marks Distribution:
Internal – 25 Marks
External – 75 Marks



Core Elective Supportive Basic knowledge of Fundamentals of Landforms Syllabus 2025 2026	Cou	fourse code 13A FUNDAMENTALS OF L T P C GEOMORPHOLOGY – I								
Pre-requisite	Core							0	0	4
To understand about Landforms its origin and evolution. To learn about the Geomorphic features in details. Course Outcomes:	Pre-requisite Basic knowledge of Fundamentals of Landforms Syllabus							bus	20	25 -
To learn about the Geomorphic features in details. Course Outcomes: After the completion of course, the students will have ability to: Understand the functioning of Earth systems in real time and analyze how the natural and anthropogenic operating factor affects the development of landforms. K2 Assess the roles of structure, stage and time in shaping the landforms interpret geomorphological maps and apply the knowledge in geographical research. K3 Good Interpret geomorphological maps and apply the knowledge in geographical research. K3 CO5 Assess how different scales of time and space affect geomorphologic processes. K2 K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; Unit- I Geomorphology I8 hours Geomorphology - meaning, scope and content - Origin of the Earth and related theories - Interior of the Earth - Geological Time Scale. Interior of the Earth and related theories - Interior of the Earth - Geological Time Scale. Interior of Continents and Oceans - Continents and Oceans - Pate Tectonics - Sea Floor Spreading. Interior of Continents and Oceans - Continental Drift Theory - Plate Tectonics - Sea Floor Spreading. Interior of Continents and Oceans - Continental Drift Theory - Plate Tectonics - Sea Floor Spreading. Interior III Earth quakes and Volcanoes I8 hours Earth quakes and Volcanoes: Definition, causes and types - Distribution and effects. Interior III Earth movements: Endogenic and Exogenic and Exogenic I8 hours Earth movements: Endogenic and Exogenic - Diastrophism - Folds and Faults: Types. I8 hours Total lecture hours 90 Text Books: Types - Igneous, Sedimentary and Metamorphic - Soil: Formation and Profile. Total lecture hours 90 Text Books: I Thombury, W.D., (1984). Principles of Geomorphology, Shukla Book Depot, Patna. Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New De	Cou	rse Object	ives:				I		1	
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Text Books: 1 Thornbury, W.D., (1984). Principles of Geomorphology, John Wiley and Sons, New York. Books For Reference: 1 Strahler, A.N. and Strahler A.H., (1992). Modern Physical Geography, John and Wiley Sons, New York. 2 Dayal, P., (1995). Text Book of Geomorphology, Shukla Book Depot, Patna. 3 Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. 4 Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. 5 Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi.	Rock	s: Types –	igneous, sear	mentary and M	etamorphic – s	Son: Formation and Pro	ome.			
Text Books: 1 Thornbury, W.D., (1984). Principles of Geomorphology, John Wiley and Sons, New York. Books For Reference: 1 Strahler, A.N. and Strahler A.H., (1992). Modern Physical Geography, John and Wiley Sons, New York. 2 Dayal, P., (1995). Text Book of Geomorphology, Shukla Book Depot, Patna. 3 Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. 4 Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. 5 Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi.						Total lectu	re hours		90	
 Thornbury, W.D., (1984). Principles of Geomorphology, John Wiley and Sons, New York. Books For Reference: Strahler, A.N. and Strahler A.H., (1992). Modern Physical Geography, John and Wiley Sons, New York. Dayal, P., (1995). Text Book of Geomorphology, Shukla Book Depot, Patna. Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi. 	Text	Books:								
 Strahler, A.N. and Strahler A.H., (1992). Modern Physical Geography, John and Wiley Sons, New York. Dayal, P., (1995). Text Book of Geomorphology, Shukla Book Depot, Patna. Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi. 			y, W.D., (1984). Principles of	`Geomorpholo	gy, John Wiley and So	ns, New	York.		
 Strahler, A.N. and Strahler A.H., (1992). Modern Physical Geography, John and Wiley Sons, New York. Dayal, P., (1995). Text Book of Geomorphology, Shukla Book Depot, Patna. Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi. 	- I	E D.6								
 York. Dayal, P., (1995). Text Book of Geomorphology, Shukla Book Depot, Patna. Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi. 	-			lan A II /1002) Mad D1	sical Cassum 1 1 1	1 337'1	C -	. \ T	
 Dayal, P., (1995). Text Book of Geomorphology, Shukla Book Depot, Patna. Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi. 	I		A.N. and Stran	ler A.H., (1992)). Modern Pny	sical Geography, John	and Wile	y Sons	s, Ne	÷W
 Savindra Singh, (2002). Geomorphology, Prayag Pustak Bhawan, Allahabad. Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi. 										
 Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand & Company Ltd, New Delhi. Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi. 		1 60								
5 Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company Ltd, New Delhi.		4 Das Gupta, A and Kapoor, A.N., (2001). Principles of Physical Geography, S.C. Chand &								
	5	5 Sharma, V.K., (1986). Earth Surface Process and forms, Tata McGraw Hill Publishing Company								
6 Bloom, Arthur L. (1998), Geomorphology, Pearson Education Pvt. Ltd. Singapore.	6			, Geomorpholo	ogy, Pearson E	ducation Pvt. Ltd. Sing	apore.			

Rela	Related Online Contents:					
1	https://study.sagepub.com/sites/default/files/01_Gregory_Lewin(web)_Ch-01%20_1.pdf					
2	https://en.wikipedia.org/wiki/Geomorphology					
Cou	ırse Designed By: Dr. J. Ganesan					

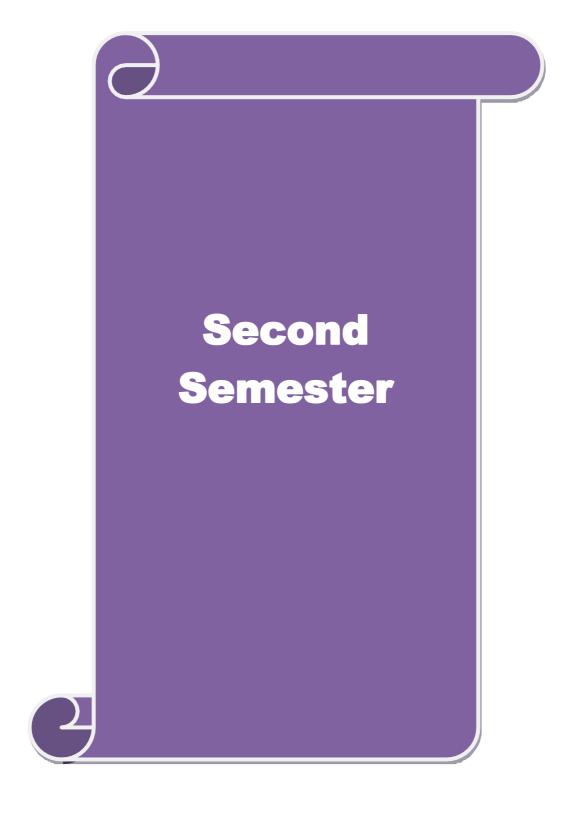
Mapping v	vith Prog	gram Out	comes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	M	S	S	S	S	M	S	S
CO3	S	M	S	S	L	S	M	S	S	S
CO4	M	S	S	M	S	M	S	S	M	L
CO5	S	S	S	S	S	S	S	S	S	S



Course code	13B	GEOGRAPHY OF INDIA	L	T	P	C
Core/ Elective/	Supportive	Core	5	0	0	4
Pre-requisite		Basic knowledge of Geographical Place in India	Sylla vers)25 - 026
Course Objecti	ives:	1			ı	
		tion and extent - Physical features and Climate of India. Mineral, Industries and Population aspects in India.				
Course Outcon						
		e, the students will have ability to:				
		al profile of the country			K.	
		p the idea of regional dimensions.			K	<u>l</u>
sustaina	ble developme		on for		K.	3
		ve the mineral resource and distribution			K.	3
		n variation and growth in India			K'	2
K1 - Remember	r; K2 - Unders	tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;				
				10		
Unit- I		Location and Extent			hou	
Natural Vegetat		al features – Major Physiographic Division – Drainage -	– Clım	ate –	Soil	and
Unit- II		Agriculture		10	hou	
	lantation Crop	the agriculture – Major crops and their distribution: Riccos: Tea and coffee – Green Revolution – Problems of I		Agric		re –
	ıral Gas and H	Mica, Manganese, Bauxite and Atomic minerals – Povydal Power – Multi-purpose Projects – Atomic Power S				
Unit- IV		Industries		18	hou	irs
		production of major Industries: Cotton Textile, Jute, Su nobile – Major Industrial Regions.	ıgar, I	ron a	nd s	teel,
Unit- V		Population		18	hou	ırs
Population, Tra Land, water and		ade: Population - Growth, density, distribution and pro	oblems	s – Tr	ansp	ort:
		Total lecture l	hours		90	
		Geography of India, Atnaram & sons, New Delhi. ndia – A Comprehensive Geography, Kalyani Publisher	rs, Nev	v Dell	hi.	

Boo	ks For Reference:
1	Majid Hussain (2008), Geography of India, Tata McGraw Hill Publishing company Ltd., New
	Delhi.
2	Pal, Saroj K. (2003), Physical Geography of India – A study in Regional Earth Sciences, Orient
	Longman Pvt. Ltd. Kolkata.
3	Singh, R.L., (1977), India - A Regional Geography, NGSI, Varanasi.
4	Sharma, T.C., (2003), India – An Economic & Commercial Geography, Vikas Publishing House
	Pvt. Ltd., New Delhi.
5	Krishnan, M.S. (1982), Geology of India and Burma, CBS Publishers, New Delhi.
6	Mathur, S.M. (1982), Physical Geology of India, National Book Trust, India, New Delhi.
Rela	nted Online Contents:
1	https://en.wikipedia.org/wiki/Geography_of_India
2	https://www.cs.mcgill.ca/~rwest/wikispeedia/wpcd/wp/g/Geography_of_India.htm
Cou	rse Designed By: B. Sasikumar

Mapping	with Pr	ogram Ou	tcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	M
CO2	S	S	M	S	S	S	S	M	M	S
CO3	S	M	S	S	Set Level of	Per S	M	L	S	S
CO4	M	S	S	M	S	M	S	S	M	S
CO5	S	S	M	S	L	S	S	M	S	M



Cour	se code	23A	FUNDAMENTALS OF GEOMORPHOLOGY- II	L	T	P	С
Core/	Elective	Supportive	Core	5	0	0	4
	equisite		Basic knowledge in Mountain, Plain and Plateau of	Sylla			25 -
			the Earth	vers	ion	20	026
	e Object			•			
			is to familiarize the students with the geomorphic will be able to an departure devicing a lendformer of the				ter
compi	eung the	course, studen	ts will be able to understand various landforms of the	earth su	riace.		
Cours	se Outcor	nes•					
			e, the students will have ability to:				
			is and endogenous processes in the landscape, their im	portanc	e		
CO1			nent, and distinguish the mechanisms that control th			K	2
	processe						
CO2			is in climate, tectonics and environment affect the deve	elopmei	nt	K	1
	of landf		1 0:				
CO3			cales of time and space affect geomorphological proce	sses.		K3	
CO4 CO5	_		morphological methods used in research today.			K2	
			aphical landforms and morphological changes. tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;			N ₂	
11 - 1	CHICHIOC	i, R2 - Officers	tanu, K5 - Appry, K4 - Anaryze, K 5 - Evaluate,				
Unit-	· I		Weathering and associated landforms		18	hou	
		l associated la	ndforms: Gradational Process: Aggradation and Degra	dation			
	-		Resultant features.				Ü
Unit-			Flu <mark>vial landscapes / </mark>			hou	
			pattern, Agents of Erosion: Running water – Erosi	onal &	Dep	ositio	onal
Landio	orms – Co	oncept of Cycl	e of Erosion by Davis.				
Unit-	ш		Karst landscapes		18	hou	ırs
		es: Work of Ur	nderground Water – Karst Landforms.		10	nou	113
Traist	шпавеарс	or work of or	racigiouna water ranst Bandromis.				
Unit-	IV		Glacial and Glaciofluvial landscapes		18	18 hours	
Glacia	l and Gla	ciofluvial land	lscapes: Glaciers – Types – Erosional & Depositional l	Landfor	ms.		
Unit-			Aeolian landscapes			hou	
			rosional and depositional landforms – Coastal Landform	ns: Wa	ve – E	rosio	onal
and de	positiona	1 landforms					
			Total lecture	hours		90	
Text E	Rooks:		1 otal tecture	Hours		70	
1		rnbury W.D. (1969), Principles of Geomorphology, John Willey and	Sons N	ew Y	ork.	
	1		,, 1 1 67, -7				
Books	For Ref	erence:					
1	Arth	ur N. Strahler	(1989), Physical Geography, Prentice Hall, New Jersey	y, <u>U.</u> S.	۸		
2			G. (1972), A Text Book of Geomorphology, East West		1.		
3			organ, An Outline of Geomorphology, Longman Londo				
4	Mor	khouse F.J. (1	976) Principles of Physical Geography, Hodder & Stro	oughton	, Lon	don.	

Related Online Contents:						
1	https://study.sagepub.com/sites/default/files/01_Gregory_Lewin(web)_Ch-01%20_1.pdf					
2	https://en.wikipedia.org/wiki/Geomorphology					
Course D	Course Designed By: M. Panneerselvam					

Mappi	Mapping with Program Outcomes									
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	M	S	M	S
CO2	S	S	M	S	S	S	S	M	S	S
CO3	S	M	S	S	M	S	M	S	S	M
CO4	S	S	S	M	S	S	S	S	M	S
CO5	S	S	S	S	L	S	S	S	S	L



Course code	23P	BASICS OF MAP MAKING - PRACTICAL I		T	P	C		
Core/ Elective/	Supportive	Core)	0	5	4		
Pre-requisite		1 2 1	yllabı ersio			25 - 26		
Course Objecti	ves:							
		cale and Statement and Representative Fraction.						
To learn about I	Enlargement and	d Reduction of Maps, Contours, Slope and Drainage Basi	n.					
Course Outcon	nes:							
		the students will have ability to:						
		pare the scale and mapping knowledge.			K2 K1			
CO2 To understand the student, learn map prepare and modify the scale.								
		physical features form the toposheets.			K3			
		vation of the mountain prepares toposheets.			K3			
		divisions and toposheet knowledge.			K2	<u> </u>		
K1 - Remember	; K2 - Understa	and; K3 - Apply; K4 - Analyze; K5 - Evaluate;						
Unit- I		Map Scale		18	hou	rs		
		esentation - Statement, Representative Fraction, Graph	ical,	Lin	ear	and		
Comparative Sc	ale.	alandi di Baya						
Unit- II		Enlargement and reduction of maps		18	hou	rs		
Enlargement an	d reduction of	maps: Square and Similar triangle – Measurement of	listan	ice:	Thre	ad,		
		urement of area: Square and Strip method.				Í		
Unit- III		Representation of Relief		18	hou	rs		
Representation	of Relief: Con	tours: Different methods - Interpolation of contours -	Cros	s se	ction	of		
selected relief fe	eatures.	AIAR UNI						
Unit- IV		Profiles HEVATE		10	hou	MC		
	7			10	nou	rs		
Prome: Senai, S	super-imposed,	Composite and Projected – Altimetric Frequency Curve.						
Unit- V		Record		18	hou	rs		
Record – 20 Ma	rks							
		Total lecture hou	ırs		90			
Text Books:								
	se F L and Wil	lkinson, H.R., (1989), Maps and Diagrams, B.I. Publication	ons N	Jew	Del1	ni		
), Puvippadaviyaloor Arimugam, Sree Meenakshi Offsets				11.		
	• '	ments of Practical Geography, Kalyani Publishers, New D		aui a				
				1.1				
4 Gopal Sin	gn, (1996), Maj	p work and practical geography, Vikas Publishing House	rvt. I	∠ıa.,				
Books For Refe	erence:							
		Geography, Educational Publishers, New Delhi.						
•		I. D., (1998), Text Book of Practical Geography, Concept	Puhli	shin	σ			
Company,	New Delhi.							
	i Saha and Part	ha Basu, (2010), Advanced Practical Geography, Books a	nd A	llied	Pvt			
T 4.1 TZ - 11								
Ltd, Kolka	ata.							

Rela	ated Online Contents:
1	https://ncert.nic.in/ncerts/l/kegy301.pdf
2	https://www.esri.com/industries/k-12/education/~/media/Files/Pdfs/industries/k-12/pdfs/intrcart.pdf
Cou	ırse Designed By: Dr. J. Ganesan

Mapping	with P	rogram C	utcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	L	S	S	S	S	M
CO2	S	S	M	S	S	S	S	M	M	S
CO3	S	M	S	S	L	S	M	S	S	M
CO4	M	S	S	M	S	M	S	S	M	S
CO5	S	M	M	S	L	S	S	M	S	S





Course code 33A CLIMATOLOGY L T									
Core/ El	ective/ Supportive	Core	4	0	0	4			
Pre-requ	uisite	Basic Knowledge of Daily Weather Report Observations	Sylla vers			25 -)26			
Course	Objectives:				1				
		ere and its properties and Functions							
To learn	about the Atmospheric	e Pressure, Wind, Cloud and Classification.							
	Outcomes:								
		the students will have ability to:							
		s of weather and climate and its impacts at different s	cales.		K2				
		ic aspects and its bearing on planet earth.			K				
		change and monsoon conditions of the world.			K.				
		ional concepts of climate change and its impacts.			K.				
		atic changes from the world.			K	2			
K1 - Rer	nember; K2 - Understa	and; K3 - Apply; K4 - Analyze; K5 - Evaluate;							
***				- 4					
Unit- I		Climatology			hou				
		and content – Weather and Climate – Compos	nents o	of Cl	ımat	e –			
Composi	tion and Structure.	லைக்கழ்கம் -							
Unit- II		Insolation		1/	hou	re			
		s – Heat budget of the Earth and Atmosphere; Temp	acratura						
		al distribution – Inversion of Temperature.	Jerature	Cui	nuoi	img			
Tactors	Tionzontal and vertice	in distribution inversion of Temperature.							
Unit- II		Atmospheric Pressure		15	hou	rs			
		ntal distribution – Major Pressure Belts of the world -	- Wind						
	n – Local Winds.	AR UNIVERSE							
		State Str. With Str.							
Unit- IV		Precipitation evaluation evaluati		14	hou	rs			
Atmosph	neric Moisture: Humid	ity - Types - Condensation - Precipitation Forms and	d types	– Clo	ouds	and			
its major	types – Air masses an	d Fronts types.							
Unit- V		Cyclone and Climatic Classification		15	hou	rs			
Cyclone	and Anti cyclone: Trop	pical and Temperate cyclone – Origin and Associated	Weathe	r –Ko	eppe	en's			
Classific	ation – El-Nino and La	a-Nino.							
		Total lecture	hours		72				
Text Bo									
1		limatology, Chaitanya Publishing House, Allahabad.							
2	1 1	980). Introduction to Climate, Tata McGraw Hill, New							
3	Critch field, H.J., (1	987). General Climatology, Prentice Hall of India Pvt	t. Ltd, 1	lew I	Delhi	•			
	or Reference:								
1	Siddhartha, K., (200 New Delhi.	5). Atmosphere, Weather and Climate, Kisalaya Publ	ication	s Pvt.	Ltd.	,			
2	Richmond W. Long	ley (1970). Elements of Meteorology, John Willey &	sons In	ic., No	ew Y	ork.			
3		02). Physical Geography, Prayag Pustak Bhawan, All							
		<u> </u>							

Related (Related Online Contents:					
1	1 https://en.wikipedia.org/wiki/Climatology					
2	https://www.environmentalscience.org/climatology					
Course D	Designed By: A. Suresh					

Mapping	with Pr	ogram O	utcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	M	S	S	S	S	M	S	S
CO3	S	M	S	S	M	S	M	S	S	M
CO4	S	S	S	M	S	S	S	S	L	S
CO5	S	S	S	S	L	S	M	S	S	M



Course code	33B	POPULATION AND SETTLEMENT	L	T	P	С	
Core/ Elective/	Supportive	Core	4	0	0	4	
Pre-requisite		Knowledge of Demographic Character	Sylla vers			25 - 26	
Course Object	ives:						
		n and Development of Settlements, Types and Theories	5.				
To learn about	Rural, Urban S	Settlements and Characteristics.					
G O							
Course Outcor		4 4 1 4 111 1114 4					
		e, the students will have ability to: man and cultural landscape at different levels.			K2	,	
		and processes of population growth and it implicates implication.	tions		Ν2		
CO2 Appreci	ate the nature	and quality of human landscapes.	mons.		K1		
		ynamics and characteristic with contemporary issues.			K3		
		e of key concept, different components of population.			K3		
		and quality of human landscapes.			K2		
K1 - Remembe	r; K2 - Unders	tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;					
Unit- I		Population Geography		15	hou	rc	
	ography: Scon	e and Content - Factors affecting Population Distrib	nution				
Distribution of			Julion	- 10	Pulai	1011	
Unit- II		Population Growth		15	hou	rs	
Population Gro	owth: Factors	affecting Population Growth - Demographic Trans	sition	- Po	pulat	ion	
Composition ar	nd Structure –	Fertility and Mortality Rates.					
		3.05 (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c					
Unit- III		Human Migration			hou		
Migration: Type and Transitiona		d Consequences – Population theories: Malthus – David	Ricard	lo – O	ptım	um	
Unit- IV		Settlement Geography		14	hou	rs	
Settlement: Site	e and Situation	- Types - Urban Land use Theories: Concentric - Sector	or – Mu	ıltiple	Nuc	lei.	
Unit- V		Urban Centers		14	hou	rs	
Urban Centers		Development – Associated Problems – Metropolis of Town based on population.	s, Meg				
		Total lecture	hours		72		
Text Books:							
1 Mandal	R.B (2009), U	rban Geography: A Text Book; Concept Publishing Co	., New	Delh	i.		
	2 Siddhartha K, (2013), Cities, Urbanisation and Urban Systems, Kisalaya publication Pvt. Ltd New Delhi.						
1						-	

Books	s For Reference:
1	Ramachandran. R (1989), Urbanization and Urban Systems in India, Oxford University Press,
	Delhi 4. Beaujeau Garnier. J (1966), Geography of Population, Longman Group, London.
2	B.N. Ghosh (1985), Fundamentals of population geography, sterling publishing, New Delhi.
3	Richmond W. Longley (1970). Elements of Meteorology, John Willey & sons Inc., New York.
4	Chandha, R.C (1986), A Geography of population, Concepts, patterns, Kalyani publishers, New
	Delhi.
5	A Geography of Population, World patterns, John Wiley & sons. New York.
Relat	ed Online Contents:
1	http://ncert.nic.in/ncerts/l/legy110.pdf
2	http://ncert.nic.in/ncerts/l/legy110.pdf
Cours	se Designed By: G. Lisha

Mappi	ng with	Program O	utcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	S	S	S	M	S
CO2	M	S	M	S	L	M	S	M	S	M
CO3	S	M	S	S	Los	₩¥Sω	L	S	S	M
CO4	M	S	S	M	S	M	S	S	M	S
CO5	S	M	S	SE	S	S	M	S	S	S

Core/ Elective/ Supportive Allied 5 0 0 1 2025 recrision 20125 recrision 20125 recrision 20125 recrision 20126 recrision 2012 recrision 20127 recrision 2012 recrision 2012 recrision 2	Course code	3AC	ELEMENTS OF CARTOGRAPHY	L	T	P	С			
Course Objectives: The course provides the basic concepts, techniques of cartography. After completion of course the students will understand the art and science of map making. Course Outcomes: After the completion of course, the students will have ability to: COI Read and prepare the maps. CO2 Comprehend locational and spatial aspects of the carth surface. K1 CO3 Use and importance of maps for regional development and decision-making. K3 CO4 Understand the types of maps and uses. K3 CO5 Development of the cartography knowledge form the yearly period. K2 K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; Unit- I Cartography Cartography: Definition, Scope and Content - Maps: types and uses - Branches of Cartography - Development of Cartography from Ancient to Recent Period. Unit- II Map Scales Unit- III Map Scales: Determination of Map Scales - Enlargement and Reduction - Direction and Bearing - Coordinate System. Unit- III Map data Map data: Collection and Classification - Base map - Compilation - Generalization. Unit- IV Map Design and Layout Unit- IV Map Design and Layout Unit- V Thematic and Complex Mapping - Atlas Mapping - Mapping Organizations of India: GSI, SOI- NATMO - Recent trends in Cartography. Text Books: Total lecture hours 90 Text Books: Total lecture hours 90 Text Books: R2 R2 Rabics Nap Alas Mapping - Mapping Organizations of India: GSI, SOI- NATMO - Recent trends in Cartography. John Wiley, London. Books For Reference: Rabics Nap Design, S. J. and Wilkinson, H.R., (1989), Maps and Diagrams, B.I. Publications, New Delhi. Sethu Rakkayi, S., (2014), Puvippadaviyaloor Arimugam, Sree Meenakshi Offsets, Madurai. Keates, J. S., (1982), Understanding Maps, Longman, London and New York. Ervin Raiz, (1948), General Cartography, McGraw Hill Company., New York	Core/ Elective/	Supportive	Allied	5	0	0	4			
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Students will understand the art and science of map making. Course Outcomes:	Course Objecti	ives:				ı				
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4 Erwin Raiz, (1948), General Cartography, McGraw Hill Company., New York										
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Relat	Related Online Contents:					
1	https://en.wikipedia.org/wiki/Cartography					
2	2 https://en.wikipedia.org/wiki/Cartographic_design					
Cour	Course Designed By: B. Sasikumar					

Mapping	with Pro	ogram Ou	tcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	M	S	M	S	S	M	L	M
CO3	S	M	S	S	S	M	M	S	S	S
CO4	M	S	S	M	S	S	S	S	M	S
CO5	S	S	S	S	L	S	M	S	S	M



Course co	de 3ZA	BASICS OF COMPUTER	L	T	P	C		
Core/ Elec	tive/ Supportive	Skill Based	3	0	0	3		
Pre-requisi	ite	Basic Knowledge in Computer	Sylla versi			25 - 026		
Course Ob	jectives:	<u> </u>						
		should: learn basic principles of using Windows operation			lear	n		
and practice	e basic keyboardin	g and mouse use and search engines, and locate www ad-	dress	es.				
G 0								
Course Ou		- 41 - 44 - 1 - 44 11 1 1 - 1						
	ic features of Micr	e, the students will have ability to:			K2)		
		wledge for computer operating system.			K1			
		ower point presentation for research work.			K3			
		pare the chart and table.			K3			
	derstand the email				K2			
		tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;						
	*	. 11 4/						
Unit- I		Basics of computer		11	hou	rs		
Computer:	Definition – Types	s – Generations of computer – Uses and advantages of Co	mpu	ter.				
Unit- II		Components of Computers		11	hou	rs		
		 Mother board – Computer memory and its types – Operating system – File extensions and its uses. 	- Sto	rage	devi	ces;		
		9 0000	- 1					
Unit- III		Introduction to MS Word		11	hou	rs		
MS Word:	Exploration of me	nu bar – Standard too <mark>l bar –</mark> formatting tool bar and statu	s bar.	•				
		EDUCATE TO FLEW TE						
Unit- IV	I	ntroduction to MS Excel and Power point		11	hou	rs		
MS Excel a	and Power point: E	xploration of menu bar and Standard tool bar.						
Unit- V		Network and Internet		10	hou	rs		
Computer 1	Network – LAN, V JRL – e-mail.	WAN – History of Internet and World Wide Web – Bro	owsei					
Lingines	JRL — C-man.	Tatallastuus ka			<i>E 1</i>			
Text Books	χ.•	Total lecture ho	ours		54			
		ndamentals of Computers" Prentice Hall India Pvt., Limit	ted 2	004				
		er Fundamentals" New Age International Publishers, 2014		004				
Books For	Reference:							
1	Alexis Leon, Math	ews Leon," Introduction to Computers", Leon Techworld	1.199	9				
	Horowitz. E. and S Company	Sahani. S," Fundamentals of Computers Algorithms" W. F	I. Fre	eman	&			
3	Jaiswals. A, Fundamentals of Computer and information Technology today, Wiley Dreamtech India Pvt Ltd							

Related	Related Online Contents:						
1	https://www.tutorialspoint.com/basics_of_computers/basics_of_computers_introduction.htm						
2	https://en.wikibooks.org/wiki/Computers_for_Beginners/The_Basics						
Course l	Designed By: M. Logamani						

Mapping	with Pro	ogram Ou	tcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	M	S	S	S	S	M	S	M
CO3	S	M	S	S	S	S	M	S	S	S
CO4	M	S	S	M	S	M	S	S	L	M
CO5	S	S	M	S	L	S	S	S	S	S

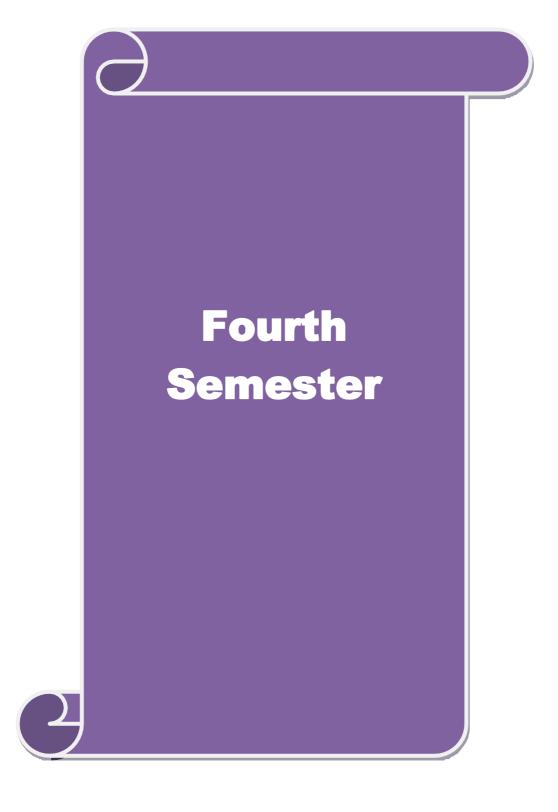


Course code		HEALTH AND WELLNESS L	T	P	С					
Core/ Elective/	Supportive	Supportive 1	0	0	1					
Pre-requisite		Syllab			25 -					
Course Object	ivec•	version	n	20)26					
		out the importance of physical, mental, and social well-being.								
		festyle through knowledge of diet, exercise, and stress manag	emer	ıt.						
	 To help students understand preventive measures for common health issues. 									
To culti	To cultivate positive habits and values for lifelong wellness.									
Course Outcor	nes:									
		the students will have ability to:								
		y in sports training and physical fitness practices.		K2						
CO2 Improve and life.		nd emotional well-being, fostering a positive outlook on health	1	K3	3					
CO3 Develop	competence an	d commitment as professionals in the field of health and		ΚΔ	1					
CO4 Create a		ag addiction and its ill effects.		K4						
		and; K3 - Apply; K4 - Analyze; K5 - Evaluate;			<u> </u>					
		_{"ஸ்லைக்க} ழ்க் _ப ்								
Unit- I	. 11 D C	Introduction to Health and Wellness		our						
		nition, Dimensions of Health – Physical, Mental, Social economic, political, cultural; Concept of health and wellness -								
of health.	i nearm. Social,	economic, pointear, curtarar, concept of hearth and wermess	11111	701 ta	псс					
		The state of the s								
Unit- II		Nutrition and Diet		our						
		et - Balanced diet — Components; Importance of macro & mi utrition - Obesity, Anemia, and Lifestyle diseases (diabetes, hy								
Unit- III		Physical Activity and Fitness	2 ł	our	'S					
		of exercises – Aerobic, Anaerobic, Yoga, Flexibility Training tercise and its effect on body.	- Imp	orta	ınce					
Unit- IV	N	Mental Health and Stress Management	3 ł	our	·s					
		mental health, common disorders (depression, anxiety) – St nes of stress - Meditation, mindfulness, and emotional well-be		cau	ses,					
Unit- V	E	Iealth Promotion and Preventive Care	3 ł	ıour	'S					
		e, Personal hygiene, sleep - Substance abuse: Alcohol, Tobaco Vaccination, first aid, and health check-ups.	o an	d Dr	ugs					
		Total lecture hours		15						
Text Books:										
		by L. Swaminathan.								
3										
Books For Ref	erence:		_							
1 Die	tics by Srilakshr	mi.								

Related (Related Online Contents:					
1	https://www.youtube.com/watch?v=_5F9yTs7Al0					
2	https://www.youtube.com/playlist?list=PLwdnzlV3ogoVhUuHDwFHzCj325BtEGZei					
3	https://www.edx.org/learn/healthcare					
4	https://open.umn.edu/opentextbooks/textbooks/662					
Course I	Course Designed By: Dr. S. Moorthy					

Mapping	Mapping with Program Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	S	S	S	S	S	S	M	M	M	L			
CO2	S	S	S	S	M	M	M	L	L	L			
CO3	S	M	S	S	S	L	M	M	M	L			
CO4	S	S	S	S	S	S	L	S	M	L			





Cour	rse code	43A OCEANOGRAPHY L T P								
Core/	Elective/	Supportive	Core	4	0	0	4			
Pre-re	equisite		Basic knowledge in Coastal Landforms	Sylla vers			25 - 026			
	se Object									
			eans and Bottom relief Features.				ļ			
I o Iea	rn about t	the Ocean Curre	ents, Ocean Deposits and Conservation of marine reso	urce.						
Cours	se Outcon	nes•								
			the students will have ability to:							
CO1			process and availability of resources.			K2	<u> </u>			
CO2										
CO3	Oceans	temperature and	I salinity level from the world.			K.	3			
CO4	The oce	an wave change	s the coastal land forms.			K.	3			
CO5	Underst features.		e mineral resource deposit form the ocean bottom of t	he relie	ef	K	2			
K1 - F	Remembe	r; K2 - Understa	and; K3 - Apply; K4 - Analyze; K5 - Evaluate;		•					
Unit-	· I		Oceanography		15	hou	rs			
Trencl Unit-	II		Bottom relief features ean floor: Pacific, Atlantic and Indian Oceans.	I Plain		hou				
TVIajoi	Terrer re-		our noor. Tuestic, Attuited the metall occurs.							
Unit-	Ш		Temperature and Salinity		15	hou	rs			
			tors – Horizontal and Vertical Distribution – Sal and Vertical distribution – Density of sea water.	ılinity:	Defi	nitio	n –			
Unit-	IV		Ocean Water Movements		14	hou	rs			
		cean Water: Wantic and Indian	ves and Tides – Origin and types; Currents: Controll Oceans.	ing fact	ors –	curr	ents			
Unit-	V		Oceans Deposits		14	hou	rs			
Ocean	s Deposit	ts – Coral reefs es and need for	– Conditions favorable for growth – Types and dis	tributio	n – F	ood	and			
			Total lecture	hours		72				
Tevt I	Books:									
1		·	d Wilkinson, H.R., (1989), Maps and Diagrams, B.I. I	Publicat	tions,	Nev	7			
2			2014), Puvippadaviyaloor arimugam, Sree Meenaksh	i Offse	ts, Ma	dura	ii.			
3			, Elements of Practical Geography, Kalyani Publisher							
· · · · ·										

Books Fo	or Reference:								
1	Gopal Singh, (1996), Map work and practical geography, Vikas Publishing House Pvt. Ltd.,								
2	Khullar, (1997), Practical Geography, Educational Publishers, New Delhi.								
3	Zulfiqar Ahmad Khan, M. D., (1998), Text Book of Practical Geography, Concept Publishing Company, New Delhi.								
4	Pijus Kanti Saha and Partha Basu, (2010), Advanced Practical Geography, Books and Allied Pvt. Ltd, Kolkata.								
Related (Online Contents:								
1	https://en.wikipedia.org/wiki/Oceanography								
2	https://www.uv.es/hegigui/Kasper/por%20Robert%20H%20Stewart.pdf								
Course D	Course Designed By: Dr. J. Ganesan								

Mapping v	Mapping with Program Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	M	S	S	S	S	S	S	S	S	M			
CO2	S	S	M	S	M	S	S	M	S	S			
CO3	S	M	S	S	S	S	M	S	S	S			
CO4	M	S	S	M	L	M	S	S	M	M			
CO5	S	S	S	S	S	S	S	M	S	L			



Course co	le 43P	se code 43P MAP INTERPRETATION AND L REPRESENTATION OF CLIMATIC DATA –							
		PRACTICAL							
	ive/ Supportive	Core	0	0	3	3			
Pre-requisi	te	Basic Knowledge of Map Reading and Daily Weather Report Observation	Sylla vers						
Course Ob	iectives:	Report Observation	VCIS	1011	20	,20			
		vey of India Topographic sheets, SOI and USGS Maps.							
To learn ab	out Indian daily v	veather report and climatic diagrams.							
<u> </u>	,								
Course Ou		se, the students will have ability to:							
	-	posheet practical knowledge.			K2				
		symbols real world features.			K1				
		apply daily weather report.			K3	3			
	lyze the climatic				K3				
	erstand the clima				K2	2			
KI - Reme	nber; K2 - Under	stand; K3 - Apply; K4 - Analyze; K5 - Evaluate;							
Unit- I		Survey of India Topographic Maps		15	hou	rs			
!	ndia Tonographic	Maps: Conventional Sings and Symbols – Cartograph	ic Ann						
_	on of SOI maps.	on ograph	ie ripp	100141					
-									
Unit- II		Indian Daily Weather Reports		15	hou	rs			
Indian Dail	Weather Report	s: Sings and Symbols – Station model – Interpretation o	f Weat	ther R	epoi	rts.			
		HIAR UNI							
Unit- III		Climatic Diagrams and Graphs		14	hou	rs			
Climatic G	aphs: Taylor's C	limograph – Hythergraph and Ergograph.							
Unit- IV		Climatic Diagrams			hou	rs			
Climatic D	agrams: Rainfall	Dispersion – Wind Rose: Simple, Star, Octagonal and C	ompou	and.					
Unit- V		Record		14	hou	rs			
Record wor	k – 20 Marks			1					
		Total lecture	hours		72				
		1000110							
Text Books				•					
1 Mon	khouse, F.J. and V	Wilkinson, H.R., (1989), Maps and Diagrams, B.I. Public	cations	, New	/ De	lhi.			
Doolse For	Dofovonos								
Books For 1 Piius		Partha Basu, (2010). Advanced Practical Geography, Boo	nke and	1 Δ11;	<u>4 (E</u>	<u>, </u>			
	Kanti Sana and F Kolkata.	arma Basa, (2010). Advanced Fractical Geography, Boo	ins and	* \(\frac{1}{2}\)	٦) <u>ل</u>	,			
		, M. D., (1998). Text Book of Practical Geography, Con-	cept Pu	ıblishi	ing				
	pany, New Delhi.		D - 11	Li					
	· · ·	Elements of Practical Geography, Kalyani Publishers, New Map work and practical geography, Vikas Publishing Ho							
		cal Geography, Educational Publishers, New Delhi.	use PV	ı. Lıd	••				
J Kiiui	iui, (1771). 1 1acti	our Goography, Educational Luchonors, frew Delli.							

Related Online Contents:									
1	http://ncert.nic.in/textbook/pdf/legy303.pdf								
2	https://ncert.nic.in/textbook/pdf/kegy308.pdf								
Cour	Course Designed By: M. Panneerselvam								

Mapping	Mapping with Program Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	S	S	S	M	S	S	S	S	M	S			
CO2	M	S	M	S	S	S	S	M	S	S			
CO3	S	M	S	S	M	S	M	S	S	M			
CO4	M	S	S	M	S	M	S	S	M	S			
CO5	S	M	S	S	L	S	S	M	S	S			



Course cod	le 43Q	CARTOGRAPHY – PRACTICAL	L	T	P	C
Core/ Electi	ive/ Supportive	Allied	0	0	3	3
Pre-requisit	te	Basic knowledge of Atlas Reading	Sylla versi			25 - 26
Course Obj	ectives:					
The course	provides the basic	c concepts, techniques of cartography. After compl	etion o	of cou	ırse	the
students will	understand the art	s and science of map making. The practical course is	to prov	ide te		
skills in con	struction of map pr	ojection and learn various mapping techniques to the	student	S.		
Course Out	comes:					
	<u>.</u>	the students will have ability to:				
CO1 Have	e sound knowledge	regarding the classification and elements of maps			K2	2
CO2 Have	proper utilization	of maps for the development			K1	
		develop map construction for feature plan.			K3	}
		d mapping practical knowledge.			K3	
		ry use full to simple and bar diagrams.			K2	2
K1 - Remen	nber; K2 - Understa	and; K3 - Apply; K4 - Analyze; K5 - Evaluate;				
Unit- I		Map Projections		18	hou	rs
Parallel, Bor		truction, Properties and uses – Conical Projection: On Projection; Cylindrical Projection: Equi-distant and E				
	J					
Unit- II	Dr	operties and uses of Zenithal Projection		15	hou	rc
	nd uses of Zenitha c (Polar cases only)	al Projection – Equal area, Equi-distant, Gnomonic).	, Stere	ograp	hic	and
Unit- III		Drawing of Graphs		18	hou	rs
Drawing of	Graphs: Line graph	: Simple and Multiple - Frequency Curve - Histogram	n – Lo	renz (Curv	e.
		CARE IDELETION				
Unit- IV		Maps and Diagrams		18	hou	rs
Maps and Di – Flow Map		ms - Simple and Compound – Circle and Sector – Isop	leths ar	nd Cho	orop	leth
Unit- V		Record		18	hou	rs
Record – 20	Marks	12001 W		10	vu	- 13
Record 20	TVICING	Total lecture	house		90	
Text Books:	,	1 otal lecture	nours		70	
		kinson, H.R., (1989), Maps and Diagrams, B.I. Public	ations	Naw	اام	
		. Puvippadaviyaloor Arimugam, Sree Meenakshi Offs				11.
2 Schiu	Kakkayi, 5., (2014)	. 1 dvippadaviyaloof Affiliagaili, Sicc Weellaksiii Olis	, IVI	auuld	•	
Books For I	Reference:					
	Kanti Saha and Part	ha Basu, (2010). Advanced Practical Geography, Bool	ks and	Allie	1 (P)	
		nents of Practical Geography, Kalyani Publishers, Nev	v Delh	i.		
		work and practical geography, Vikas Publishing Hou				
		D., (1998). Text Book of Practical Geography, Conce				
	any, New Delhi.	, (, -),	-1-1-40		-0	
	-					

Rela	Related Online Contents:								
1	https://www.researchgate.net/publication/325185733_A_Practical_Framework_for_Cartographic_								
	Design								
2	https://ncert.nic.in/textbook/pdf/kegy3ps.pdf								
Cou	Course Designed By: Dr. D. Yuvaraj								

Mapping wit	Mapping with Program Outcomes											
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
CO1	S	S	S	S	S	S	S	S	S	M		
CO2	S	S	M	S	S	S	S	M	M	S		
CO3	S	M	S	S	S	S	M	S	S	L		
CO4	M	S	M	M	S	M	S	S	M	S		
CO5	S	M	S	S	L	S	S	S	S	M		



Cou	rse code	4ZB	BASICS OF GIS AND GPS	L	T	P	C				
Core	/ Elective	/ Supportive	Skill Based	3	0	0	3				
Pre-r	equisite		Basic Knowledge in Computer Mapping	Sylla vers		_	25 - 026				
Cour	se Object	ives:									
To M	[aximize t	he efficiency of dec	eision making and planning.								
To Pr	rovide effi	cient means for dat	a distribution and handling.								
	se Outcor										
			e students will have ability to:			77.0					
CO1			onents and principles of GIS			K2					
CO2			ps using different digital layers			K1 K3					
CO3		Apply GIS in various geographical studies									
CO4	Have comprehensive understand of GIS for the construction of maps and their use the development planning.										
CO5			GPS for the accurate location			K2)				
			; K3 - Apply; K4 - Analyze; K5 - Evaluate;		L						
			* /								
Unit	t- I		GIS: Definition		11	hou	rs				
GIS:	Definition	n – Scope and De	velopment – Components – Recent trends in GIS	S – Ro	ole of	GIS	s in				
Geog	raphy.		E A SE STE								
Unit	- II		GIS Data		11	hou	rs				
GIS I	Data: Spat	ial and Non-Spatial	l – Sourc <mark>es of Data – Data Struct</mark> ure: Raster and Ve	ector.			ļ				
			1 th 14 1 1 1 2 1 2 1								
Unit	- III	Fu	nctions and <mark>Organizatio</mark> nal Aspects		11	hou	rs				
			ects: RDBMS – GIS software – Geo-referencing – Dring – Map design and layout.	Digitiza	tion –	-Edi	ting				
Unit-	. IV		Applications of GIS		11	hou	rc				
	Į.	COIC A1	11	~*	11	nou	13				
Appli	ications of	GIS – Agriculture	– Environmental management – Urban and Disast	er.							
Unit	- V		GPS		10	hou	rs				
GPS:	Definition	n – Developments -	- Different Segments – Errors – Measurement – Us	es and	Appli	icatio	ons.				
		1	Total lecture		11	54					
Text	Books:		1 our reture			<u> </u>					
1	Ian Heyv	wood, 2009), An In , New Delhi.	troduction to Geographical Information System, Pe	arson I	Educa	tion					
2	Peter, A.	Burrough Rachael	, A. and McDonnell, (1998), Principles of Geography Press Inc., New York.	hical Iı	nform	atior	1				
3	LO, C.P.		ng, (2007), Concepts and Techniques of Geographic	c Infor	matio	n					
4	Anji Red Hyderab		oinformatics for Environmental Management, BS F	Publica	tions,						

Book	s For Reference:
1	Kang-Tsung Chang, (2006), Introduction to Geographic Information systems, Tata McGraw –Hill
	Publishing Company Limited, New Delhi.
2	Kumar, S., (2003), Basics of Remote sensing and GIS, Laxmi publications, New Delhi.
3	Chang, Kang-Tsung (2002), Introduction to Geographic Information Systems, Tata McGraw Hills
	Publishing Company Ltd, New Delhi.
4	Siddique, M.A. (2006), Introduction to Geographical Information Systems, Sharda Pustak
	Bhawan, Allahabad.
Rela	ted Online Contents:
1	https://en.wikipedia.org/wiki/Geographic_information_system
2	https://en.wikipedia.org/wiki/Global_Positioning_System
Cour	se Designed By: Dr. D. Yuvaraj

Mapping	with Pro	ogram Ou	tcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	M	S	S	S	S	M
CO2	S	S	M	S	S	M	L	M	S	S
CO3	S	M	S	S	L	S	M	S	S	M
CO4	M	S	S	M	S	S	S	S	M	S
CO5	S	S	M	S	M	S	S	M	S	S



Course code	GEOGRAPHY OF NATURAL REGIONS OF THE WORLD	L	T	P	C						
Core/ Elective/	Supportive	Core	6	0	0	4					
Pre-requisite		Basic knowledge of Atlas Reading	Sylla								
Course Objecti	ives:				1						
•		are to give an overview of the land, natural vegetation as, so that the students are aware of world resources.	and eco	nomy	of t	ne					
Course Outcon	nes:										
		e, the students will have ability to:									
		nt geographical natural region form the world			K.	2					
CO2 To understand tropical region natural life and economic level.											
		region natural life and economic level.			K.						
		n variation of natural resource and climatic conditions.			K:						
Polar regions understand the climate and animal life.											
K1 - Remember	r; K2 - Unders	tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;									
Unit- I		Region: Definition		22	hou						
	ion – Method	s of delineation of regions – Formal and functional	regions								
Regions: Situati	ion – Climate	- Natural vegetation - Natural resources and Economi	c devel	opme	nt.						
11:4 11		The risel Degions		22	hou						
Unit- II	na. Managan	Tropical Regions region - Tropical grassland - Tropical Situation -	Clima								
vegetation – An	imal life – Na	tural resources and Economic development.	- Cilii	aic –	Ivai	urar					
Unit- III		Warm Temperate Regions		22	hou	<u> </u>					
Warm Tempera		lediterranean: China and steppe: Situation – Climate –	Natura								
Animal life – N	atural resource	es and Economic development.									
Unit- IV		Cool Temperate Regions			hou						
		st European, Prairie: Situation – Climate – Natural vegomic development.	etation	– An	imal	life					
TT *4 T7				20	,						
Unit- V	Dala : D	Cool Temperate Polar Regions	A 1		hou						
resources and E		s: Tundra: Situation - Climate – Natural vegetation – Alopment.	Animai	111e –	Nat	urai					
		Total lecture	hours		108						
Text Books:											
	L., (1971). Inc	dia: A Regional Geography, NGSI, Varanasi.									
		the World Regional Geography, Orient Longman Lim	ited Ne	ew De	lhi						
Dualey 5											

Book	ss For Reference:
1	Darshan Singh Manku (1998), A Regional Geography of the world, Kalyani publishers, New
	Delhi.
2	Goh Cheng Leong (1982), Human & Economic Geography, Oxford University Press, New York.
3	Khanna, K.K. and Gupta, V.K., (1988), Economic and Commercial geography, Sultan Chand and
	Sons, New Delhi.
Relat	ted Online Contents:
1	http://www.ncert.nic.in/ncerts/l/gess206.pdf
2	https://en.wikipedia.org/wiki/Natural_region
Cour	se Designed By: P. Umasankar

Mapping	with Pr	ogram Ou	tcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	M	S	S	S	S	M	S
CO2	S	S	M	S	L	S	S	M	S	S
CO3	S	M	S	S	M	S	M	S	S	M
CO4	M	S	S	M	S	M	S	S	M	S
CO5	S	S	S	S	S	S	S	M	S	S



Course code 53B	GEOGRAPHY OF TAMILNADU	L	T	P	C					
Core/ Elective/Supportive	Core	6	0	0	3					
Pre-requisite	Basic knowledge of Districts and Places in Tamil Nadu	Sylla vers			25 - 026					
Course Objectives:										
	on, physiography and climate of Tamil Nadu									
To learn about agricultural, mir	nerals, industrial and human resources of Tamil Nadu	l .								
Course Outcomes:	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4									
	the students will have ability to:			17.7						
,	features and distribution.			K2 K1						
\mathcal{E} 1 1 1										
				K3						
CO4 Know the industries types and distribution. CO5 Understand transport types and population variation in district level.										
1	and; K3 - Apply; K4 - Analyze; K5 - Evaluate;			K2						
TET TEMPENSON, TEE SHOOTS	ind, 110 Tippiy, 111 Timuly 20, 110 Evaluate,									
Unit- I	Physiography		22	hou	rs					
	strative divisions – Major Physical divisions Rivers	– Soils								
distribution.	J		J	1						
Unit- II	Natural Vegetation and Climate	_		hou						
Natural vegetation: Types and Characteristics.	Distribution – Distribution. Climate – Controlling f	actors -	- Seas	ons	and					
Unit- III	Agriculture and Livestock		22	hou	rs					
	opping seasons – Major crops: Paddy, Sugarcane, Co	tton and								
Plantation crops: Tea, Coffee Dairying and Fisheries.	and Rubber, Sources and types of irrigation – Live	estock:	Cattle	, She	еер,					
	Coimbutore		1							
Unit- IV	Resources and Industries	1 77		hou						
	Bauxite, Coal and Petroleum, Power Resources: The Cotton textiles, Sugarcane, Cement, Chemical, Paper									
Unit- V	Population, Transport and Trade		22	hou	rs					
Population: Growth, Distributi Airways and Waterways – Trac	on and Density – Rural and Urban Population – T le: inland and foreign.	ranspor	t: Ro	adwa	ays,					
Text Books:	Total lecture	hours		108						
), Geography of Tamil Nadu, Sakthi Abirami Publish	ers, Ku	mbako	onan	1.					
2 Kullar, D. R. (2010), Indi	a: A Comprehensive Geography, Kalyani Publishers,	, New D	elhi.							

Boo	ks For Reference:
1	Gopal Singh (1988), A Geography of India, Atnaram & sons, New Delhi.
2	Ramesh, A and Tiwari, P.S., (1983), Basic Resources Atlas of Tamil Nadu, Dept. of Geography, University of Madras, Chennai.
3	Sharma, T.C. (2003), India: An Economic & Commercial Geography, Vikas Publishing House Pvt. Ltd., New Delhi.
4	Velappan, D., (1986), Economic Development of Tamil Nadu – Emerald Publishers, Chennai.
Rela	nted Online Contents:
1	https://en.wikipedia.org/wiki/Geography_of_Tamil_Nadu
2	http://shodhganga.inflibnet.ac.in/bitstream/10603/83973/6/nayeema_chapter2.pdf
Cou	rse Designed By: Dr. B. Sasikumar

Mapping	Mapping with Program Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	S	S	S	S	S	S	S	S	S	S			
CO2	S	S	M	S	S	S	S	M	M	S			
CO3	S	M	S	S	M	S	M	S	S	M			
CO4	M	S	S	M	S	கமு M	S	S	M	S			
CO5	S	S	S	S	8ºL	S	S	S	S	S			

Course code	53C	GEOGRAPHY OF RESOURCES - I	L	T	P	C				
Core/ Elective/S	upportive	Core	6	0	0	4				
Pre-requisite		Basic knowledge in Atlas Reading	Syllak versi			25 -)26				
Course Objectiv	es:	<u>, </u>			ı					
To understand co	oncepts and a	oproaches of natural resource management;								
To examine use	of various res	ources and to analyze future prospects,								
Course Outcom										
1		e, the students will have ability to:								
		wledge of resource and environmental issues.			K2					
		wledge of the role that geography can play in analyzing		es,	K1	L				
		tion and improving resource, environmental managem	ent.		K3					
CO3 Evaluate the resource and conservation.										
		rce importance and conservation methods.			K3					
		ture resource and crop types.			K2	<u>!</u>				
K1 - Remember;	K2 - Unders	tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;								
				ı						
Unit- I		Geography of Resources			hou					
		s – Renewable and non-renewable, Biotic and Ab	iotic –	Poter	itial	and				
Developed resou	rces – Utiliza	tion and Conservation of Resources.								
Unit- II		Soil resources	~		hou					
	ormation – S	oil Profile <mark>– Classification and distr</mark> ibution – Fertility	, Soil ero	osion	and i	Soil				
Conservation.										
TY 1/ TIT		THIAR UNING								
Unit- III	E / 11	Forest Resources			hou					
Forest Resources - Forest Products	s: Equatorial - s and Uses.	- Tropical – Temperate and Polar – Distribution and I	conomi	c Imp	orta	nce ——				
Unit- IV		Animal Resources		20	hou	PC				
	ac: Livestock	- Cattle - Types - Pigs and Poultry - Growth and dis	ctributio							
Importance.	LS. LIVESTOCK	- Cattle - Types - Tigs and Tourty - Growth and dis	Sulouno	n – 12	COHO	iiiic				
Unit- V		Agricultural Descurace		22	hou	wc .				
	ourges Foot	Agricultural Resources ors Influencing Agriculture – World Agricultural T	Types							
		otton and Sugarcane, Tea and Coffee.	ypes –	Geog	дарп	ıcaı				
I		70 (I V)	1	I	100					
		Total lecture	e hours		108					
T4 D										
Text Books:	(2012)		137							
	am (2013), C tak Bhavan, l	leography of resources: Exploration, Conservation and New Delhi.	d Manag	emen	t,					
2 Goh Cheng	Leong (1987	7), Human & Economic Geography, Oxford Universit	y Press,	New	York	ζ.				

Books For Reference:

- 1 Alexander J.W., (2006), Economic Geography Prentice Hall of India Pvt. Ltd. New Delhi.
- 2 Khanna K.K. and Gupta, V.K., (2004), Economic and Commercial Geography, Sultan Chand and sons, New Delhi.
- 3 K. Siddhartha (2004), Economic Geography, Kisalaya Publications Pvt. Ltd.
- 4 Thomas R.S, (1968), Geography of Economic Activity, McGraw Hill Book Company, New Delhi.

Related Online Contents:

- 1 https://www.oxfordbibliographies.com/view/document/obo-9780199874002/obo-9780199874002-0091.xml
- 2 https://gurukpo.com/Content/BA/Geo of Resorce.pdf

Course Designed By: M. Panneer selvam

Mapping w	ith Prog	gram Outo	comes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	L
CO2	S	S	M	S	S	S	S	M	S	S
CO3	S	M	S	S	L	S	M	S	S	M
CO4	M	S	S	M	S	M	S	S	M	S
CO5	S	S	S	S	ைSகழ	S	S	S	S	S

Cou	irse code	53D	REMOTE SENSING AND ITS APPLICATIONS IN GEOGRAPHY	L	T	P	C
Core	e/ Elective/	Supportive	Core	5	0	0	4
	requisite		Basic knowledge in Satellite System	Sylla vers)25 -)26
	rse Object						
			ry and types of remote sensing.				
To ol	btain about	t aerial, satellit	te remote sensing and recent developments.				
<u>C</u>	Ω4						
	rse Outcor		e, the students will have ability to:				
	Annreci		pment and uses of aerial and satellite remote sensing sy	rctom			
CO1			e systems in India and other nations;	Stelli		\mathbf{K}'	2
	Underst		of EMR and energy interaction in atmosphere and on e	earth			
CO ₂		features;	of Entire and energy interaction in aumosphere and on e	ar tir		K	1
CO3	Importa	nce of satellite	types and functions			K.	3
CO4			ellite remote sensing development and achievement.			K.	3
CO5			e sensing application and its uses.			K.	2
K1 -	Remembe	r; K2 - Unders	stand; K3 - Apply; K4 - Analyze; K5 - Evaluate;				
			San		1		
Uni			Remote Sensing - Development - Types - Basic Principles - Electre Energy Interactions - Ideal Remote Sensing System.			hou	
Unit Aeria Marg	al Remote	Sensing: Commation of Aeria	Aerial Remote Sensing apponents of Camera – Film – Types of Air photo – Sal photo – Elements of Air photo interpretation.	Stereoso		hou visio	
Unit	t- III		Satellite Remote Sensing		18	hou	
Rem	ote Sensir	ng Satellites - of LANDSAT	- Types of satellites - Orbit - Resolution - Sens r, SPOT and IKONOS.	sors ar			
Unit	- IV		Remote Sensing in India		18	hou	ırs
Rem	*	g in India: ISR	O – NRSC – IRS Satellites: Sensors – Resolution and A	Applica			
Unit	t- V		Applications in Geography		18	hou	ırs
Appl	lications in	Geography: Vand Planning.	Vater Resources – Forest – Land use – Agriculture – N	1 ineral			
			Total lecture	hours		90	
Text	Books:				•		
1	Wiley & S	Sons, Inc., Nev					
2			ote Sensing: Principles and Interpretation, Freeman and				co.
3			nciples of Remote sensing, English Language book soc				

Boo	ks For Reference:
1	Anji Reddy, M., (2004), Geoinformatics for Environmental Management, BS Publications,
	Hyderabad.
2	Chandra, A.M. and S.K. Ghosh (2006), Remote Sensing and Geographical Information System,
	Narosa Publishing House, New Delhi.
3	Joseph, George (2003), Fundamental of Remote Sensing, University's Press (India) Pvt. Ltd.,
	Hyderabad.
4	Kumar, S., (2003), Basics of Remote sensing and GIS, Laxmi publications, New Delhi.
Rela	nted Online Contents:
1	https://tudip.com/blog-post/what-is-remote-sensing-and-its-applications/
2	https://www.slideshare.net/RashmiYadav45/remote-sensing-and-its-application
Cou	rse Designed By: Dr. D. Yuvaraj

Mapping	with Pr	ogram Ou	itcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	M	S	S	S	S	M	S	S
CO3	S	M	S	S	M	S	M	S	S	M
CO4	M	S	S	M	5 EV S	M	S	S	M	S
CO5	S	S	S	S	L	S	S	M	S	S

Course code	5EA	URBAN GEOGRAPHY	L	T	P	С
Core/ Elective/	Supportive	Elective	4	0	0	4
Pre-requisite		Basic knowledge of Urban Environment	Sylla vers)25 -)26
Course Objecti	ives:		•			
		Development of Urban Geography.				
To familiarize a	bout Urbaniza	tion, Urban morphology, Urban theories and problem	S.			
Course Outcon	nes:					
		e, the students will have ability to:				
		nentals and patterns of urbanization process			K2	
		lassification of cities and Central Place Theory			K	
		roblems of pollution, crime, poverty, and slum.	. 1		K.	3
	furban morpho eed to be enco	ology and urban functions with special reference to seluraged.	ected		K.	3
		tion form the world.			K.	2
K1 - Remember	r; K2 - Unders	tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;				
Unit- I		Huban Cooguanhy		16	hou	
	lary Mataria C	Urban Geography				
Eactors of Urba	ny: Nature, So	cope and Development — Origin and Evolution of To orld urbanization — Trends of Urbanization in India.	owns –	Urbai	nızaı	10n:
1 401013 01 0104	n Growth W	ord droumzation from the first in main.				
Unit- II		Urban Morphology		14	hou	
	ogy: Function:	al Classification of Towns - Urban Land use – CBD an	nd its ch			
Primate City.	ogy. I diletion	ar classification of fowns of our Earla asc	14 165 01	iaracie	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	C B
<u> </u>		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Unit- III		Theories and Models		14	hou	irs
		s, Homer Hoyt, Harris and Ullman – Hierarchy of urber h – Rank Size Rule.	an cente	ers: Cl	nrista	ıller
Unit- IV		Urban Expansion		14	hou	irs
Urban Expansion		nd Horizontal – Urban Sprawl – Rural-Urban Fringe	– Subu			
Town – Conurb	ation – City re	egion – Umland.				
Unit- V		Urban Problems		14	hou	ırc
	s: Slums – Pov	verty – Crime – Pollution – Water Supply and Transp	ort – Uı			
Policies – Town		· · · · · · · · · · · · · · · · · · ·				8:
			•			
		Total lecture	e hours		72	
Text Books:						
	dal (2000) 114	ban Geography: A Text Book; Concept Publishing Co	New	Delhi		
2 R. Ramac), Urbanization and Urban Systems in India, Oxford U			ss,	
Delhi. 3 Majid Hus	eggin (1000) T	Juman Gaography Payvat Dublications Jainus				
		<u> </u>	ontion T) _{7.7} 4 T 4	A NI-	
Delhi.	a n , (2013), Cl	ides, Ordanisadon and Ordan Systems, Kisalaya publi	cation F	vi. Lī	u INE	;w
4 Siddhartha		Human Geography, Rawat Publications, Jaipur. ities, Urbanisation and Urban Systems, Kisalaya publi	cation F	Pvt. Lt	d N	Je

Boo	ks For Reference:
1	Nath V. (2007), Urbanisation, Urban Development and Metropolitan Cities in India, Concept
	Publishing Co. New Delhi.
2	Singh, R. L., (1994). Geography of Settlements, Rawat Publications, New Delhi. Hyderabad.
3	Perpillou, (1967). Human Geography, A.V.H.G. Longman, London.
4	Bala, Raj (1986), Urbanisation in India, Rawat Publishers, Jaipur.
5	Vasant Kumar Bawa (1985), Indian Metropolis, Urbanization Planning and Management, Inter –
	India Publication, New Delhi.
Rela	ted Online Contents:
1	https://en.wikipedia.org/wiki/Urban_geography
2	http://lcgeography.preswex.ie/uploads/6/9/4/9/6949966/chapter_5_urban_land-use_theories.ppt
Cou	rse Designed By: M. Panneer selvam

Mapping	with Pro	ogram Ou	tcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	M	S	S	S	S	M	S	S
CO3	S	M	S	S	L	S	M	S	S	M
CO4	M	S	S	M	80 S	S	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	L

Course code	5EB	NATURAL DISASTERS AND MANAGEMENT	L	T	P	C
Core/ Elective/	Supportive	Skill Based	3	0	0	3
Pre-requisite		Basic knowledge of Risk of Disaster	Sylla vers)25 - 026
Course Object						
		ral Disasters its Causes and Consequences agement and Mitigation.				
Course Outcor	nes:					
		e, the students will have ability to:				
		and impact of disaster.			K.	2
of envir	onment.	atural and man-made disaster and human negligence in		t	K	1
risk.		sed report on Disaster Management to minimize the disa	ister		K.	3
		he disaster mitigation and management.			K.	
		man induce disaster.			K.	2
K1 - Remembe	r; K2 - Unders	stand; K3 - Apply; K4 - Analyze; K5 - Evaluate;				
Unit- I		Disasters: Meaning and Classification		11	hou	ırc
	ning and Class	sification – Concepts – Risk and Vulnerability – Disaste	er Zone			
Disasters. Wear	ing and Class	Mication - Concepts - Risk and vulnerability - Disaste	ZI ZOIIC	3 01 1.	IIuIa	•
Unit- II		Geological Disasters		11	hou	ırs
	asters: Eartho	juakes: Intensity and Magnitude – Earthquake Prone	e Zone			
eruption – Land	Islides and Tsi	unami.				
		5 3 3				
Unit- III		Cli <mark>matic Disasters</mark>		10	hou	ırs
Climatic Disast	ers: Cyclones	– Floods – Drought – Avalanche and Frost.				
WY */ WWY		Combature C. Cl		44		
Unit- IV	1 D' (N	Human induced Disasters	C1 1		hou	
Deforestation a		uclear and Chemical — Health hazards — Forest fire – ter Depletion.	- Globa	ıı Wa	rmır	1g –
Unit- V		Disaster Management		11	hou	ırc
	rement: Disast	ter Management Organizations: International – Nation	a1 _ St			
level – NGOs	– Disaster	Cycle – Preparatory phase – Emergency phase – igation and Management.				
		Total lecture	hours		54	
Text Rooks						
Text Books:	GK (2008) F	Disaster Management A.P.H. Publishing Cornoration N	Jew De	lhi		
1 Ghosh		Disaster Management, A.P.H. Publishing Corporation, N				
1 Ghosh		Disaster Management, A.P.H. Publishing Corporation, N., Natural Disasters, Wm. C. Brown Publishing Co., New				

Books	For Reference:
1	Nicholas, K. (1995), Geohazards, Natural and human, Prentice Hall of India, New Delhi.
2	Agarwal, S.K. (2004), Global Warming and Climate Change, A.P.H. Publications, New Delhi.
3	Narayan, B. (2009), Disaster Management. A.P.H. Publishing Corporation, New Delhi.
4	Singh, R. B. (2008), Disaster Management, Rawat Publications. New Delhi.
Relate	d Online Contents:
1	https://en.wikipedia.org/wiki/Disaster_management_in_India
2	https://en.wikipedia.org/wiki/Disaster
Cours	e Designed By: S. Ravichandiran

Mapping	with Pro	ogram Ou	tcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	M	S	S	S	L	M	S	S
CO3	S	M	S	S	M	S	M	S	S	M
CO4	M	S	S	M	L	M	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	S







Core/ Elective/ Supportive Core 6 Pre-requisite Basic knowledge of Atlas Reading Syllaburation Course Objectives: Course Objectives: To understand about Natural Recourse, Types, Distribution and its Conservation To learn about Agricultural, Minerals, Industrial Resources and Transport System.			4 25 -
Course Objectives: To understand about Natural Recourse, Types, Distribution and its Conservation			25 -
To understand about Natural Recourse, Types, Distribution and its Conservation)26
Course Outcomes:			
After the completion of course, the students will have ability to:			
CO1 make them aware about the importance of conservation of minerals and energy resources.		K2	2
CO2 Evaluate the human resource development understand.		K1	Ĺ
CO3 Understand the significance of mineral and power resource need for future planning.		K3	
CO4 Know the important of industrial resource.		K3	
CO5 Understand world trade and transportation importance.		K2	<u>'</u>
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate;			
Unit- I Fisheries	20	hou	rc
Fisheries: Fishing: Types – Controlling factors of growth and distribution – Major fishing Growth			
World – Need for Conservation.	ouii	u oi	tiiC
280000 E. E. L. C.			
Unit- II Human Resources	22	hou	rs
Human Resources: Distribution – Modern Demographic Pattern – Trends of World Population of Population – Man-land ratio – Optimum, Over and Under Population.	n – .	Den	sity
Unit- III Mineral and Power Resources		hou	
Mineral and Power Resources: Types – Significances – Distribution and Production of Iron or Copper, Manganese, Tin and Mica – Coal, Petroleum, Natural Gas and Atomic power.	re, E	3aux	iite,
Distriction and the state of th			
Unit-IV Industrial Resources		hou	
Industrial Resources: Locational factors – Distribution of Cotton Textile, Iron and Steel – Sh. – Aircraft – Automobile – Cement and Chemical industries.	ір В	Suilc	iing ——
Unit- V Transportation and Trade	22	hou	rs
Transportation and Trade: Types of Transportation – Land: Road and Rail – Water: Inland at Air: Domestic and International – Trade: Types – Composition of International Trade, Pattern, Trade, Recent Trends and Trade Organizations.	nd (Ocea	an –
Total lecture hours		108	
Text Books:			
1 Alka Gautham (2013), Geography of resources: Exploration, Conservation and Mar Sharda Pustak Bhavan, New Delhi.	nage	eme	nt,

Books Fo	r Reference:
1	Goh Cheng Leong (1987), Human & Economic Geography, Oxford University Press, New
	York.
2	Alexander J.W., (2006), Economic Geography – Prentice Hall of India Pvt. Ltd. New Delhi.
3	Khanna K.K. and Gupta, V.K., (2004), Economic and Commercial Geography, Sultan Chand and sons, New Delhi.
4	K. Siddhartha (2004), Economic Geography, Kisalaya Publications Pvt. Ltd.
5	Thomas R.S, (1968), Geography of Economic Activity, McGraw Hill Book Company, New
	Delhi.
Related (Online Contents:
-	
1	https://www.oxfordbibliographies.com/view/document/obo-9780199874002/obo-9780199874002-0091.xml
2	https://gurukpo.com/Content/BA/Geo_of_Resorce.pdf
Course D	esigned By: S. Ravichandiran

Mapping	with Pr	ogram Ou	tcomes							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	M
CO2	S	S	M	S	S	S	S	M	S	S
CO3	S	M	S	S	L	S	M	S	S	L
CO4	M	S	S	M	S	M	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	S

S- Strong: M- Medium: L- Low

Course code	63B	ENVIRONMENTAL STUDIES AND L MANAGEMENT	T	P	С
Core/ Elective/S	Supportive	Core 6	0	0	3
Pre-requisite			abus sion)25 -)26
Course Objecti					
problems and w	hich has the k	on that is aware of and concerned about the environment and nowledge, Skills, attitudes, motivations and commitment to words solutions of current problems and prevention.		socia	ited
Course Outcon	1es:				
After the comple	etion of course	e, the students will have ability to:			
		ic interactive relationship between man and environment.		K2	2
resource	s at global lev			K	
		pects of flora and fauna provinces.		K3	
		ics of climate and related theories.		K3	
		tion as an index of climate. tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;		K2	<u> </u>
KI - Kemember	, KZ - Unders	nand, K5 - Appry, K4 - Anaryze, K5 - Evaluate,			
Unit- I		Environment	22	hou	
Environment - E		cope – Components – Fundamental Concepts – Relationship of Geography.		<u></u>	anc
Unit- II		Ecosystem S	_	hou	
Ecosystem: Mea	aning – Types	- Components - Functioning of Ecosystems - Food chain an	nd Foo	d we	b.
Unit- III		N. Carlotte and S. Carlotte an		1	
Natural Hazards		Natural Hazards d Types – Environmental Degradation – Human Impact on - Land Slides – Desertification – Global Warming and Clima	Enviro		
		Edita Shaes Descriptional Chest Warming and China		ange	
	Zen Zresten	EGUCATE TO ELEVATE			
Unit- IV Man made Haza	ards: Pollution	Man includes Hazards i: Meaning and types – Land, Water and Air – Waste Mana Medical and Electronic wastes.	22	hou	irs
Unit- IV Man made Haza wastes – Industr	ards: Pollution	Man includes Hazards n: Meaning and types – Land, Water and Air – Waste Mana Medical and Electronic wastes.	22 gemen	hou t: U1	i rs rban
Unit- IV Man made Haza wastes – Industr Unit- V Environmental	ards: Pollutior rial wastes – N	Man includes Hazards 1: Meaning and types – Land, Water and Air – Waste Mana	gemen 22	hout: U1	rban
Unit- IV Man made Haza wastes – Industr Unit- V Environmental	ards: Pollutior rial wastes – N	Man includes Hazards n: Meaning and types – Land, Water and Air – Waste Mana Medical and Electronic wastes. Environmental Impact Assessment sment: Meaning and Concept – Case studies of Sardar Sarov	gemen 22 yar Pro	hout: U1	rban
Unit- IV Man made Haza wastes – Industr Unit- V Environmental 1 Tehri Dam – Ro	ards: Pollutior rial wastes – N	Man includes Hazards n: Meaning and types – Land, Water and Air – Waste Mana Medical and Electronic wastes. Environmental Impact Assessment sment: Meaning and Concept – Case studies of Sardar Sarov mental movements in Protecting our Environment.	gemen 22 yar Pro	hou t: U1	rban
Unit- IV Man made Haza wastes – Industr Unit- V Environmental Tehri Dam – Ro	ards: Pollution rial wastes – N Impact Assess le of Environ	Man includes Hazards The Maning and types – Land, Water and Air – Waste Mana Medical and Electronic wastes. Environmental Impact Assessment Sement: Meaning and Concept – Case studies of Sardar Sarov mental movements in Protecting our Environment. Total lecture hours	gemen 22 yar Pro	hou t: U1	rbar
Unit- IV Man made Haza wastes – Industr Unit- V Environmental I Tehri Dam – Ro Text Books: 1 Odum.E.I	ards: Pollution rial wastes – N Impact Assess ble of Environ	Man includes Hazards n: Meaning and types – Land, Water and Air – Waste Mana Medical and Electronic wastes. Environmental Impact Assessment Sment: Meaning and Concept – Case studies of Sardar Sarov mental movements in Protecting our Environment. Total lecture hours Indiamental of Ecology, W.B. Sunders Co, Philadelphia.	gemen 22 yar Pro	hou t: U1	rbar
Unit- IV Man made Haza wastes – Industr Unit- V Environmental I Tehri Dam – Ro Text Books: 1 Odum.E.I 2 Peter Hag	ards: Pollution rial wastes – Normal Margart Assess ble of Environ P. (1971), Fungett (2001), Geografia	Man includes Hazards The Maning and types – Land, Water and Air – Waste Mana Medical and Electronic wastes. Environmental Impact Assessment Sement: Meaning and Concept – Case studies of Sardar Sarov mental movements in Protecting our Environment. Total lecture hours	22 gemen 22 var Pro	hou t: U1	rbar

Book	Books For Reference:									
1	Paul R. Ehrlich, Anne H. Ehrlich, and John P. Holdren (1977), Eco science: Population, Resources,									
	Environment, Edition3, W. H. Freeman Publishers.									
2	Batel, B. (1980) Management of Environment, Wiby Eastern Ltd., New Delhi									
3	Centre for Science & Environment: The State of India Environment, A Citizen's									
	Report1982,1985, New Delhi.									
Rela	ted Online Contents:									
1	https://ncert.nic.in/ncerts/l/jesc116.pdf									
2	https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf									
Cour	rse Designed By: M. Panneer selvam									

Mapping	Mapping with Program Outcomes											
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
CO1	S	S	S	S	S	S	S	S	S	S		
CO2	S	S	M	S	S	S	S	M	S	S		
CO3	S	M	S	S	L	S	M	S	S	M		
CO4	M	S	S	M	S	M	S	S	M	S		
CO5	S	S	S	S	S	S	S	L	S	S		



Course code	63P	SURVEYING AND INTERPRETATION OF L T AERIAL PHOTOS AND SATELLITE IMAGES – PRACTICAL								
Core/ Elective	Supportive	Core	0	0	5	4				
Pre-requisite		Basic Knowledge of Simple Calculation	Sylla			25 -				
G OI		Techniques	vers	ion	20	26				
Course Object		1 01 1 11 11								
		l uses of land and height measurement survey.		1 4		1				
		s to interpret and extract useful information from map	s, topos	sneets	, aeri	aı				
photographs an	nd satellite imag	es.								
Course Outco	mes•									
		the students will have ability to:								
Conduc		ork for the collection of primary data to bring out gras	sroots							
CO1 realities		ern ret une eerretten er frimmel emm te ering em grue	210010		K	2				
Make u	se of proper too	s and surveying methods for measurement in context	of		17	1				
	on and processing				K	.1				
	a report based of				K	.3				
1 1 1/1		notograph interpretation and ground features detection	ı for		К3					
feature	•									
		e imagery and marginal information.			K	2				
K1 - Remembe	er; K2 - Understa	and; K3 - Apply; K4 - Analyze; K5 - Evaluate;								
TT *4 T				1.5	1					
Unit- I	Onen and Class	Survey ed – Prismatic compass: Open and closed – Plane Tab	la Cum		hou	rs				
Survey. Chain.	Open and Close	ed – Filshiade compass. Open and closed – Flane Tab	ne Surv	eying	•					
Unit- II		Height Measurement and Levelling		18	hou	rc				
	ement and Level	ling: Indian Clinometer, Abney level and Dumpy leve	<u></u>							
and Height Me		Compliant	. 20,	0 1 D 111	10101					
		FOUCATE IN ELEVATE								
Unit- III		Aerial Photos		18	hou	rs				
Aerial Photos:		sual Interpretation - Marginal information - Stereo	scopic							
Interpretation of	of Aerial Photog	raphs (Physical and Cultural).								
Unit- IV		Satellite Images			hou	rs				
Satellite Image	s: Marginal info	rmation – Interpretation of Satellite Images (Physical	and Cı	ultural).					
TT *4 T7		E: 11		10	1					
Unit-V	.:	Field		18	hou	rs				
Field trip – Mir	nimum 3 days									
		Total lecture	house		90					
Text Books:		1 otal lecture	nours		70					
	use FI and Wi	lkinson, H.R., (1989), Maps and Diagrams, B.I. Publi	ications	New	Del	hi				
1 WIOHKHO	ase, i .s. and wi	inition, 11.10., (1707), 11ups and Diagrams, D.I. I don		,, 1 10 11	וטכו	.11.				

Book	ss For Reference:
1	Misra, R.P. and Ramesh, A., (2002). Fundamentals of Cartography, Concept Publication
	Company, New Delhi.
2	Pijus Kanti Saha and Partha Basu, (2010), Advanced Practical Geography, Books and Allied (P)
	Ltd, Kolkata.
3	Lillesand, T.M. and Kiefer, R.W., (1979), Remote Sensing and Image Interpretation, John Wiley
	and sons, New York.
4	Sabins, Jr. (1978), Remote Sensing: Principles and Interpretation, Freeman and Co, San Francisco.
Relat	ted Online Content:
1	https://pubs.usgs.gov/gip/AerialPhotos_SatImages/aerial.html
2	https://theconstructor.org/surveying/types-of-chains-surveying/13889/
Cour	se Designed By: Dr. J. Ganesan

Mapping	Mapping with Program Outcomes											
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
CO1	S	S	S	S	S	S	S	L	S	S		
CO2	S	S	M	S	S	S	S	M	S	S		
CO3	S	M	S	S	S	S	M	S	S	S		
CO4	M	S	S	M	S	M	S	S	M	S		
CO5	S	S	S	S	8060 L	S	S	M	S	M		

Cou	rse code	6EA	POLITICAL GEOGRAPHY	L	T	P	C	
Core	/ Elective/	Supportive	Elective	5	0	0	4	
Pre-r	equisite		Basic knowledge in India Political System	Sylla vers		_)25 -)26	
	se Object							
			d development Political Geography.					
To lea	arn about	state, Capitals,	Elections and India's Foreign Policy.					
Cour	se Outcor	nes:						
			e, the students will have ability to:					
CO1			ation and state and geo-political theories.			K2		
CO2	Underst	and the differe	nt dimensions of electoral geography and resource conf	licts.		K1		
CO3	Knowledge of politics geography and integration of Indian states, India bilateral relationship with SAARC countries.							
CO4	Importa	nce of politica	l study.			K3)	
CO5		l rule differs fr				K2	,	
K1 -]	Remembe	r; K2 - Unders	tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;					
T I 34	т		Dallet and Community		10	1		
Unit		onhy: Dofiniti	Political Geography on, Scope, Content and Development – Geopolitics –	Stata		hou		
			ons and Nationalism.	State.	Caleg	30116	5 –	
			A STATE OF					
Unit-	- II		Core Areas		18	hou	rs	
			: Types – Mor <mark>phological classificati</mark> on – Factors of De apitals – Cap <mark>ital</mark> s in Post -1945 federations.	velopn	nent,	Fede	ral	
Сири	<u> </u>	una reatrar e	aprais Captais in 1 out 15 15 federations.					
Unit-	III		Boundaries and Frontiers		18	hou	rs	
		d Frontiers:	Definition – Classification: Genetic and Functional	- M	lorpho	ologi	cal	
Class	ification (Buffer Zone –	Land locked Countries) – Border Disputes,					
WT *4	TX 7		Combature		10			
Unit-		manlary Casam	Electoral Geography	Datta		hou		
			aphy of Elections – Election Campaigning – Voting ing – Election Commission.	Patte	rn –	voie	TS	
Unit-	- V		Political Geography of India		18	hou	rs	
			: Integration of Indian States: Integration of Sikkim		ia's E	Bilate	ral	
Relati	ionship w	ith Pakistan an	d Sri Lanka – SAARC Countries - India's Foreign Poli	cies.				
			Total lecture	hours		90		
Text	Books:							
1	Dikshit, co., New	` /	olitical Geography: A contemporary perspective, McGr	aw Hil	l Pub	lishi	ng	
2	Sudeeptl	na Adhikari, (2	004), Political Geography, Rawat publications, New Do	elhi.				
3	Muir, R.	, (1981). Mode	rn Political Geography, Macmillan, London.					

Book	ss For Reference:
1	Presscott, J.R.V., (1972), Political Geography, Methuen, London.
2	De Blij Harm, J., (1980), Systematic Political Geography, John Wiley and sons, New York.
3	Taylor and Peter (1972), Political Geography, Methuen, London.
4	Cohen Sayl, B., (1973), Geography and Politics in a divided world, OUP, New York.
5	Adhikari, Sudeepta (2008), Political Geography of India, Sharda Pustak Bhawan, Allahabad.
Relat	ted Online Content:
1	https://en.wikipedia.org/wiki/Political_geography
2	https://simple.wikipedia.org/wiki/Political_geography
Cour	se Designed By: B. Sasikumar

Mapping with Program Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
CO1	S	S	S	S	S	S	S	S	S	S		
CO2	S	S	M	S	S	S	S	M	L	S		
CO3	S	M	S	S	M	S	M	S	S	M		
CO4	M	S	S	M	S	M	S	S	M	S		
CO5	S	S	S	S	L	S	S	S	S	S		

Course code	6ED	REGIONAL GEOGRAPHY OF SOUTH EAST ASIA	L	T	P	С
Core/ Elective/	Supportive	Elective	5	0	0	4
Pre-requisite		Basic knowledge in Atlas Reading	Sylla vers)25 -)26
Course Object	ives:					
		nt and Physiography divisions in Mainland of south east ls, Agriculture and Natural Vegetations of south east A				
Course Outcor						
		e, the students will have ability to:			17.0	
		onmental differences between the equatorial belts.			K2	
		utheast Asia geographical conditions.			K1	
		r-latitude zone of mainland Southeast Asia.			K3	
		ences influence human settlement and economic develop			K3)
regions	of Southeast A		nt		K2	2
K1 - Remembe	r; K2 - Unders	stand; K3 - Apply; K4 - Analyze; K5 - Evaluate;				
Unit- I		South East Asia		18	hou	rs
South East As Vegetation.	ia: Location	and Extent – Physiographic Divisions – Climate –	Soils	and	Natı	ıral
T. • . T.				10	•	
Unit- II	1 D:	Agriculture			hou	
crops: Tea, Cof		e and Whea <mark>t – Commercial crops: Cot</mark> ton, Jute and Suger.	garcane	= P18	ınıaı	10n
Unit- III		Myanmar		18	hou	rc
	siography – Cl ransport and T	imate – Drainage – Soils – Vegetation – Agriculture – M	linerals	_		
-		EDUCATE TO ELEVATE				
Unit- IV		Malaysia and Singapore		18	hou	rs
		ysiography – Climate – Drainage - Soils – Vegetation, Transport and Trade.	on – A			
Unit- V		Indonesia		18	hou	rs
		Climate – Drainage – Soils – Vegetation – Agricul sport and Trade.	lture –	Min	eral	; –
		Total lecture	hours		90	
Tarra Da alvas						
Text Books:						
	er Minshull –I	Regional –Theory and Practice. Routledge				
		Regional –Theory and Practice. Routledge				
1 Rog Books For Ref	erence:		7			
1 Rog Books For Ref 1 Geo	erence:	, Asia's lands and People. McGraw-Hill Book company	7			
1 Rog Books For Ref 1 Geo 2 Nata	erence: rge B Cressey alia G. Studies	, Asia's lands and People. McGraw-Hill Book company in Regional Geography.	7			
Books For Ref 1 Geo 2 Nata 3 Nata	erence: rge B Cressey alia G. Studies on Ginsburg, J	, Asia's lands and People. McGraw-Hill Book company in Regional Geography. ohn E Bush and others - The pattern of Asia.		New	Yorl	
Books For Ref 1 Geo 2 Nata 3 Nata 4 De J	erence: rge B Cressey alia G. Studies on Ginsburg, J Blij Harm, J., (, Asia's lands and People. McGraw-Hill Book company in Regional Geography.		New	Yorl	ζ.

Related	Related Online Content:							
1 https://worldgeo.pressbooks.com/chapter/east-and-southeast-asia/								
2	https://saylordotorg.github.io/text_world-regional-geography-people-places-and-globalization/s14-southeast-asia.html							
Course	Designed By: Dr. J. Ganesan							

Mapping	Mapping with Program Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	S	S	S	S	L	S	S	S	S	S			
CO2	S	S	M	S	S	S	S	M	S	S			
CO3	S	M	S	S	M	S	M	S	S	L			
CO4	M	S	S	M	S	M	S	S	M	S			
CO5	S	S	L	S	S	S	S	M	S	S			

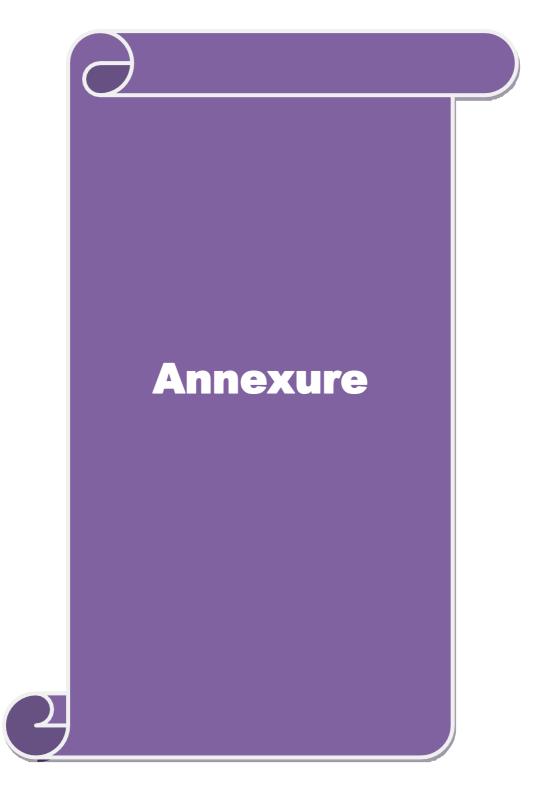


Course code	6ZD	GEOGRAPHY OF TOURISIM	L	T	P	С
Core/ Elective/	Supportive	Skilled Based	3	0	0	3
Pre-requisite		Basic knowledge in Educational Tour	Syllal versi)25 -)26
Course Objecti	ives:					
		n and Development of Tourism Sector and its Types. gement, Organizations and Government Policy.				
Course Outcon	nes:					
After the compl	letion of course	e, the students will have ability to:				
(()	rith a basic und tourisms.	lerstanding of nature and scope, trends and patterns of	various		K2)
	und knowledg in Tamil Nadu	e on geographical, environmental and socio-cultural a	spects of	f	K1	
with pil	grimage touris		ssociate	d	К3	
		nter form the world.			K3)
		n visa and transport plan.			K2	,
K1 - Remember	r; K2 - Unders	tand; K3 - Apply; K4 - Analyze; K5 - Evaluate;				
		- Apple 0000 Q 0000 Q		T		
Unit- I		To <mark>uri</mark> sm: Definition			hou	rs
Tourism: Defin	ition – Types -	- History a <mark>nd D</mark> evelopment <mark>– Econom</mark> ic importance o	f Touris	m.		
		19 A 4 19 19 19 19 19 19 19 19 19 19 19 19 19				
Unit- II		Tourism Potentials in India	~		hou	
Tourism Potent	ıals ın India: T	ourist Attract <mark>ions – Religious – Recr</mark> eations – Festivals	s – Sport	s and	Gan	ies.
		SATHIAR LINIVE				
Unit- III		Tourism Management			hou	
Tourism Manag – Visa and Pass	gement: Accom sport – Tourist	nmodation – Transport facility – Travel Agencies – Pu Guides.	blicity a	nd Ma	arket	ing
Unit- IV		Tourism Organizations		11	hou	
	izationa, Intom	Tourism Organizations national – WTO and PATA – Tourism Organization	a in Indi			
TTDC – Role a		national – w 10 and FATA – Tourism Organization	S III IIIQI	a. 11	——	ınu
Unit- V		Tourism in Tamil Nadu	1 3.5		hou	
Government Po		otential Areas – Major Tourist Centre – Planning	and Ma	anage	men	τ –
		Total lecture	e hours		54	
Text Books:				• -		
1 Bhatia, A Ltd., Nev		Fourism Development – Principles and Practices, Sterl	ing Publ	isher	s Pvt	

Book	s For Reference:					
1	1 Douglas Pearce (1949), Tourism today – A Geographical analysis, Longman Publications,					
	New York.					
2	2 Khullar, N., (1985), Dynamics of Tourism, Sterling Publishers Pvt. Ltd., New Delhi.					
3	3 Praveen Sethi (1999), Tourism in Developing Countries, Rajat Publications, New Delhi.					
4	4 Bhattacharya, P. (2006), Trend in Tourism Potentiality, Bani Mandir, Guwahati.					
Rela	ted Online Content:					
1	http://studymaterial.unipune.ac.in:8080/jspui/bitstream/123456789/5997/1/1.%20Tourism%20Ge					
	ography%20Chapter%201.pdf					
2	https://en.wikipedia.org/wiki/Tourism_geography					
Cour	se Designed By: Dr. J. Ganesan					

Mapping with Program Outcomes										
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	M	M	S	S	S	M	M	S	S
CO3	S	M	S	S	L	S	M	S	S	M
CO4	M	S	S	M	S	M	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	S





BHARATHIAR UNIVERSITY COIMBATORE – 641 046 REGULATIONS FOR UNDERGRADUATE B. Sc. GEOGRAPHY DEGREE COURSE – Semester System (with effect from 2022-2023)

1. Eligibility for Admission to the Course

Candidate for admission to the first year of the **B. Sc Geography** degree course shall be required to have passed the higher secondary examination (Academic or Vocational) conducted by the Govt. of Tamil Nadu in the relevant subjects or other examination accepter as equivalent there to by the Syndicate, subject to such other conditions as may be prescribed therefore.

2. Duration of the Course

The course shall extend over a period of three years comprising of six semesters with two semesters in one academic year. There shall not be less than 90 working days for each semester. Examination shall be conducted at the end of every semester for the respective subjects.

Course of Study

The course of study for the UG degree course shall consist of the following

a) Part –I

Tamil or any one of the following modern/classical languages i.e. Telugu, Kannada, Malayalam, Hindi, Sanskrit, French, German, Arabic & Urdu. It shall be offered during the first four semesters with one examination at the end of each semester.

b) Part – II: English

The subject shall be offered during the first four semesters with one examination at the end of each semester. During third semester Part II English will be offered as communication skills.

c) Foundation Course

The Foundation course shall comprise of two stages as follows: Foundation Course A: General Awareness (I & II semesters) Foundation Course B: Environmental Studies (III & IV semesters)

The syllabus and scheme of examination for the foundation course A, General awareness shall be apportioned as follows.

From the printed material supplied by the University 75% Current affairs & who is who? -25%. The current affairs cover current developments in all aspects of general knowledge which are not covered in the printed material on this subject issued by the University. The Foundation course B shall comprise of only one paper which shall have Environmental Studies.

d) Part -III

Group A: Core subject – As prescribed in the scheme of examination. Examination will be conducted in the core subjects at the end of every semester

Group B: allied subjects -2 subjects-4 papers

Examination shall be conducted in the allied subjects at the end of first four semesters.

Group C: application-oriented subjects: 2 subjects – 4 papers

The application –oriented subjects shall be offered during the last two semesters of study viz., V and VI semesters. Examination shall be conducted in the subjects at the end of V & VI semesters.

Group D: field work/institutional training

Every student shall be required to undergo field work/institutional training, related to the application-oriented subject for a period of not less than 2 weeks, conveniently arranged during the course of 3rd year. The principal of the college and the head of the department shall issue a certificate to the effect that the student had satisfactorily undergone the field work/institutional training for the prescribed period.

e) Co-Curricular activities: NSS/NCC/Physical education

Every student shall participate compulsorily for period of not less than two years (4 semesters) in any one of the above programmes.

The above activities shall be conducted outside the regular working hours of the college. The principal shall furnish a certificate regarding the student's performance in the respective field and shall grade the student in the five point scale as follows

A-Exemplary

B-very good

C- Good

D- Fair

E-Satisfactory

This grading shall be incorporated in the mark sheet to be issued at the end of the appropriate semester (4th or 5th or 6th semester).

(Handicapped students who are unable to participate in any of the above activities shall be required to take a test in the theoretical aspects of any one of the above 3 field and be graded and certified accordingly).

(Handicapped students who are unable to participate in any of the above activities shall be required to take a test in the theoretical aspects of any one of the above 3 field and be graded and certified accordingly).

3. Requirement to appear for the examinations

- a. a candidate will be permitted to appear for the university examinations for any semester if
- i) He/she secures not less than 75% of attendance in the number of working days during the semester.
- ii) He/she earns a progress certificate from the head of the institution, of having satisfactory completed the course of study prescribed in the subjects as required by these regulations, and

iii) His/her conduct has been satisfactory.

Provided that, it shall be open to the syndicate, or any authority delegated with such powers by the syndicate, to grant exemption to a candidate who has failed to earn 75% of the attendance prescribed, for valid reasons, subject to usual conditions.

- **b.** A candidate who has secured less than 65% but 55% and above attendance in any semester has to compensate the shortage in attendance in the subsequent semester besides, earning the required percentage of attendance in that semester and appear for both semester papers together at the end of the latter semester.
- **c.** A candidate who has secured less than 55% of attendance in any semester will not be permitted to appear for the regular examinations and to continue the study in the subsequent semester. He/she has to rejoin the semester in which the attendance is less than 55%
- **d.** A candidate who has secured less than 65% of attendance in the final semester has to compensate his/her attendance shortage in a manner as decided by the concerned head of the department after rejoining the same course.

4. Restrictions to appear for the examinations

- a. Any candidate having arrear paper(s) shall have the option to appear in any arrear paper along with the regular semester papers.
- b. "Candidates who fail in any of the papers in Part I, II & III of UG degree examinations shall complete the paper concerned within 5 years form the date of admission to the said course, and should they fail to do so, they shall take the examination in the texts/ revised syllabus prescribed for the immediate next batch of candidates. If there is no change in the texts/syllabus they shall appear for the examination in that paper with the syllabus in vogue until there is a change in the texts or syllabus. In the event of removal of that paper consequent to change of regulation and / or curriculum after 5-year period, the candidates shall have to take up an equivalent paper in the revised syllabus as suggested by the chairman and fulfill the requirements as per regulation/ curriculum for the award of the degree.

5. Medium of Instruction and examinations

The medium of instruction and examinations for the papers of Part I and II shall be the language concerned. For part III subjects other than modern languages, the medium of instruction shall be either Tamil or English and the medium of examinations is in English/Tamil irrespective of the medium of instructions. For modern languages, the medium of instruction and examination will be in the languages concerned.

6. Submission of Record Note Books for practical examinations

Candidates appearing for practical examinations should submit Bonafide Record Note Books prescribed for practical examinations, otherwise the candidates will not be permitted to appear for the practical examinations. However, in genuine cases where the students, who could not submit the record note books, they may be permitted to appear for the practical examinations, provided the concerned Head of the department from the institution of the candidate certified that the candidate has performed the experiments prescribed for the course. For such candidates who do not submit Record Books, zero (0) marks will be awarded for record note books.

7. Passing Minimum

- **a.** A candidate who secures not less than 40% of the total marks in any subject including the Diploma and Foundation courses (theory or Practical) in the University examination shall be declared to have passed the examination in the subject (theory or Practical).
- **b.** A candidate who passes the examination in all the subjects of Part I, II and III (including the Diploma and Foundation courses) shall be declared to have passed, the whole examination.

8. Improvement of Marks in the subjects already passed

Candidates desirous of improving the marks awarded in a passed subject in their first attempt shall reappear once within a period of subsequent two semesters. The improved marks shall be considered for classification but not for ranking. When there is no improvement, there shall not be any change in the original marks already awarded.

9. Classification of Successful candidates

- **a.** A candidate who passes all the Part III examinations in the First attempt within a period of three years securing 75% and above in the aggregate of Part III marks shall be declared to have passed B.A/B.Sc./B.Com./B.B.M. degree examination in **First Class with Distinctions**
- **b.** i A candidate who passes all the examinations in Part I or Part III or Diploma securing not less than 60 per cent of total marks for concerned part shall be declared to have passed that part in <u>First Class</u>
 - ii. A candidate who passed all the examinations in Part I or Part II or Part III or Diploma securing not less than 50 per cent but below 60 per cent of total marks for concerned part shall be declared to have passed that part in **Second Class**
 - iii. All other successful candidates shall be declared to have passed the Part I or Part III or Part III or Diploma examination in **Third Class**

10. Conferment of the Degree

No candidate shall be eligible for conferment of the Degree unless he / she, has undergone the prescribed course of study for a period of not less than six semesters in an institution approved by/affiliated to the University or has been exempted from in the manner prescribed and has passed the examinations as have been prescribed there for.

- i. Has satisfactory participates in either NSS or NCC or Physical Education as evidenced by a certificate issued by the principal of the institution.
- ii. Has successfully completed the prescribed Field Work/ Institutional Training as evidenced by certificate issued by the Principal of the College.

11. Ranking

A candidate who qualifies for the UG degree course passing all the examinations in the first attempt, within the minimum period prescribed for the course of study from the date of admission to the course and secures I or II class shall be eligible for ranking and such ranking will be confined to 10 % of the total number of candidates qualified in that particular branch of study, subject to a maximum of 10 ranks. The improved marks will not be taken into consideration for ranking.

12. Additional Degree

Any candidate who wishes to obtain an additional UG degree not involving any practical shall be permitted to do so and such candidate shall join a college in the III year of the course and he/she will be permitted to appear for par III alone by granting exemption from appearing Part I, Part II and common allied subjects (if any), already passed by the candidate. And a candidate desirous to obtain an additional UG degree involving practical shall be [permitted to do so and such candidate shall join a college in the II year of the course and he/she be permitted to appear for Part III alone by granting exemption from appearing for Part I, Part II and the common allied subjects. If any, already passed. Such candidates should obtain exemption from the university by paying a fee of Rs.500/-.

13. Evening College

The above regulations shall be applicable for candidates undergoing the respective courses in Evening Colleges also.

14. Syllabus

The syllabus for various subjects shall be clearly demarcated into five viable units in each paper/subject.

15. Revision of Regulations and Curriculum

The above Regulation and Scheme of Examinations will be in vogue without any change for a minimum period of three years from the date of approval of the Regulations. The University may revise /amend/ change the Regulations and Scheme of Examinations, if found necessary.

16. Transitory Provision

Candidates who have undergone the Course of Study prior to the Academic Year 2020-2021 will be permitted to take the Examinations under those Regulations for a period of four years i.e. up to and inclusive of the Examination of November 2021 thereafter they will be permitted to take the Examination only under the Regulations in force at that time.

List of Elective papers (Colleges can choose any one of the paper as Electives)					
Elective – I	A	Urban Geography			
	B Natural disasters and Management				
	C Bio-Geography				
Elective – II	Elective – II A Political Geography				
	В	Geography of USA			
	C	Regional Geography of Middle East			
Elective – III	Elective – III A Regional Geography of Southeast Asia				
	В	Geography of Japan			
	C	Medical Geography			

SCHEME OF VALUATION				
CORE PAPERS	ELECTIVE PAPERS			
CREDITS – 4; MARKS – 100	CREDITS – 4; MARKS – 100			
Marks Distribution:	Marks Distribution:			
Internal – 25Marks	Internal – 25 Marks			
External – 75 Marks	External – 75 Marks			

SCHEME OF VALUATION					
SKILL BASED SUBJECT	NON MAJOR ELECTIVE				
CREDITS – 3; MARKS – 75	CREDITS – 2; MARKS – 50				
Marks Distribution:	Marks Distribution:				
Internal – 20 Marks	Internal – NIL				
External – 55 Marks	External – 50 Marks				
	FOUCATE TO ELEVATE				

SCHEME OF VALUATION			
CORE PRACTICAL SUBJECT			
CREDITS – 4; MARKS – 100			
Marks Distribution:			
Internal – 40 Marks			
External – 60 Marks			