ಮಂಗಳೂರು MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ UNIVERSITY

(Accredited by NAAC with 'A' Grade)

ಕ್ರಮಾಂಕ/No: MU/ACC/CR.31/2018-19/A8

ಕುಲಸಚಿವರಕಛೇರಿ ಮಂಗಳಗಂಗೋತ್ರಿ – 574 199 Office of the Registrar Mangalagangothri – 574 199 ದಿನಾಂಕ/Date:30.03.2019

NOTIFICATION

Sub: Syllabus of Geography an optional course for B.A/B.Sc Degree programme under Choice Based Credit System

Ref: Decision of the Academic Council at its meeting held on 01.02.2019 vide Agenda No:3:36 (2018-19)

Pursuant to the above, the Syllabus of Geography an optional course for B.A/B.Sc Degree programme under Choice Based Credit System which was approved by the Academic Council at its meeting held on 01.02.2019 is hereby notified for implementation with effect from the academic year 2019-20.

Copy of the Syllabus shall be downloaded from the Mangalore University Website. www.mangaloreuniversity.ac.in

REGISTRAR.

To:

- 1) The Principals of the Colleges concerned.
- 2) The Registrar (Evaluation), Mangalore University.
- 3) Dr. D. P. Angadi, Chairman, U.G. BOS in Geography and Associate Professor, Department of Marine Geology, Mangalore University.
- 4) The Superintendent, Academic Section, O/o the Registrar, Mangalore University.
- 5) The Director, DUIMS, Mangalore University with a request to publish in the Website.
- 6) Guard File.



CHOICE BASED CREDIT SYSTEM OPTIONAL SUBJECT GEOGRAPHY FOR B.A. /B.Sc. PROGRAMME

MANGALORE UNIVERSITY SCHEME & SYLLABUS CHOICE BASED CREDIT SYSTEM OPTIONAL SUBJECT GEOGRAPHY FOR B.A. /B.Sc. PROGRAMME

	G 1	Particulars	Instruction	Duration of		Credits		
	Code	1 at ticulars	hrs/week	Exam (hrs)	IA	Exam	Total	Cicuits
I SEMES	STER							
Group I	BASGEC 131/ BSCGEC 131	Physical Geography	4	3	20	80	100	2
Core BASGEP 132/ N Courses BSCGEP 132 F		Maps & Scale, Representation of Relief Features & Meteorological Instruments	3	3	10	40	50	1
Group II Elective Courses	BASGECE 133/ BSCGECE 133	Introduction to Physical Geography	2	2	10	40	50	1
II SEMESTER								
Group I	BASGEC 181/ BSCGEC 181	Human Geography	4	3	20	80	100	2
Core Courses	BASGEP 182/ BSCGEP 182	Map Projection - Part-I	3	3	10	40	50	1
Group II Elective Courses BASGECE 183/ BSCGECE 183 Regional Geography of the World		2	2	10	40	50	1	
		•	,	,		•	,	

III SEM	III SEMESTER									
Group I Core Courses	BASGEC 231/ BSCGEC 231	Regional Geography of the World	4	3	20	80	100	2		
	BASGEP 232/ BSCGEP 232	Map Projection - Part-II	3	3	10	40	50	1		
Group II Elective Courses	BASGECE 233/ BSCGECE 233	Introduction to Human Geography	2	2	10	40	50	1		
IV SEM	IV SEMESTER									
Group I	BASGEC 281/ BSCGEC 281	Geography of India	4	3	20	80	100	2		
Courses	Core BASGEP 282/ BSCGEP 282 Cartograms & Distribution Maps		3	3	10	40	50	1		
Group II Elective Courses	BASGEOE 283/ BSCGEOE 283	Regional Geography of India	2	2	10	40	50	1		

V SEME	V SEMESTER								
Discipline Specific Elective Courses 2 Course for V and VI Semester (Choose any One)									
	BASGEC 331/ BSCGEC 331	Economic Geography of the World	4	3	20	80	100	2	
Group I	BASGEC 332/ BSCGEC 332	Settlements Geography OR	4	3	20	80	100	2	
	BASGEC 333/ BSCGEC 333	Tourism Geography	4	3	20	80	100	2	
BASGEP 334/ BSCGEP 334 Basic Statistics		3	3	10	40	50	1		
	BASGEP 335/ BSCGEP 335	Interpretation of Topographical Maps & Indian Daily Weather Report	3	3	10	40	50	1	
VI SEM	ESTER								
	BASGEC 381/ BSCGEC 381	Environmental Geography	4	3	20	80	100	2	
	BASGEC 382/ BSCGEC 382	Regional Geography of Karnataka OR	4	3	20	80	100	2	
Group I	BASGEC 383/ BSCGEC 383	Population & Political Geography	4	3	20	80	100	2	
	BASGEP 384/ BSCGEP 384	Fundamentals of GIS, GPS and Remote Sensing	3	3	10	40	50	1	
	BASGEP 385/ BSCGEP 385	Field Techniques & Survey Based Project Report	3	3	10	40	50	1	

Core Course – I

BASGEC 131/BSCGEC 131: Physical Geography

a) Meaning, Definition, Field, Nature(Multidisciplinary) and Scope, Components of

-10-

48 hrs - 4 hrs/week

9

10

B.N Tikka

Savindra Singh

UNIT I: Physical Geography:

	Eartl	h System – Lithosphere, Atr	nosp	ohere, Hydrosphere and Biosphere
b)		· ·	-	h: Nebular and Tidal theories
		ithosphere:		-10-
a)	Stru	cture and Composition of	the e	earth
b)	Dist	ribution of land and water bo	odies	s: Wegner's Theory of Continental Drift and
·		e Tectonic		,
UNIT	ÎII: (Geomorphic agents and pr	oces	ses of Denudation -10-
a)	i) Ri	ver ii) Glacier iii) Undergro	und	water iv) Wind
UNIT	IV: A	Atmosphere		-10-
a)	Mea	ning, composition and struct	ture	of atmosphere.
b)	Dist	ribution of Temperature, Pre	essur	re and Wind system – Insulation, Factors
	affec	cting, Atmospheric temperat	ure.	
c)	Atm	ospheric Pressure – Factors	affe	cting on pressure, Vertical and Horizontal
		ibution, Pressure belts of the		
d)		•		pes – Planetary, seasonal, local and Variable
		ls – with special reference to	Tro	•
		ydrosphere		-08-
				elief features of ocean floor.
b)	Tide	s and Ocean currents – India	an ai	nd Pacific.
D 0				
Refere		C		
	1	Conserva H. T.,	:	Illustrated Dictionary of Physical Geography,
	2	Californ E. Dataman I		Author House, USA. 2004
	2	Gabler R. E., Petersen J.	:	
	2	F. and Trapasso, L. M.,		Edition), Thompson, Brooks/Cole, USA. 2007
	3	Garrett N.,	:	Advanced Geography, Oxford University Press2000
	4	Coudia A		The Nature of the Environment: An Advanced
	4	Goudie, A.,	•	
				Physical Geography, Basil Blackwell Publishers, Oxford1984
	5	Hamblin, W. K.,		Earth's Dynamic System, Prentice Hall, N.J.
	5	Hamolin, W. K.,	•	1995
	6	Husain M.,		Fundamentals of Physical Geography, Rawat
	U	Tusam W.,	•	Publications, Jaipur. 2002
	7	Monkhouse, F. J.		Principles of Physical Geography, Platinum
	,	THOMESO, I.J.	•	Publishers, Kolkata.2009
	8	Strahler A. N. and	:	Modern Physical Geography, John Wiley &
	0	Strahler A. H.,	•	Sons, New York. 2008
		·- · ·		

: Physical Geography 2010: Physical Geography. 2011

Practical Course-I

BASGEP132/ BSCGEP132: Maps & Scale, Representation of Relief Features & Meteorological Instruments

36 hrs - 3 hrs/week

UNIT I: Map	S:			-12-
\ D (! !	•		C	

- a) Definition, types and importance of maps
- b) Characteristics features of maps.
- c) Scales- definition and types,
- d) Conversion of statements into RF and RF in to statement.
- e) Construction of graphical scales linear and diagonal.
- f) Enlargement and reduction of maps: square and triangular method.
- g) Latitudes and longitudes- Longitude and time local, standard and Greenwich- time zones- Calculation of time- International Date Line.

UNIT II: Relief features

-12-

- a) Introduction, methods of relief representation- pictorial –Mathematical and composite methods.
- b) Contours characteristics contour diagrams representing following relief features-Uniform, Undulating, Concave, Convex slopes, Conical hill, saddle, hill, plateau, ridges, gorge, 'V' shaped valley, U shaped valley, rapids and water falls.

UNIT III: Meteorological Instruments

-12-

- a) Functions and uses- Centigrade & Fahrenheit Thermometer,
- b) Maximum and Minimum thermometer,
- c) Hygrometer, Aneroid Barometer,
- d) Wind vane,
- e) Cup Anemometer,

Gonal Singh

f) Rain gauge.

References:

1	Gopai Singii	•	House, New Delhi
2	Gupta K.K and Tyagi V.C	:	Working with maps, Survey of India, Department of Science
2	T 1: C :4 D 4 (1)		and Technology, Govt. of India, Dehra Dun 1992.
3	Jackie Smith B.A.(ed)	:	Dictionary of Geography, Cosmo Publications, New Delhi, 1983
4	John and Keats:	:	Cartographic design and production, II edition 1989, John Wiley New York
~	M. I. D.D.		Wiley, New York.
5	Mishra R.P:	:	Fundamentals of Cartography, 1969, Prasaranga, University of Mysore, Mysore.
6	Monkhouse F.J and	:	Maps and Diagrams, Wilkinson H.R: Mathuen and Co, Ltd., London, 1952.
7	Phyllis Dink	:	Map work, x (ed) Atma Ram & Sons, Delhi, 1967
8	Raisz E.	:	General Cartography, 1948. Tata-MC-Graw Hill, New York.
9	Ranganath	:	An Introduction to Practical Geography, Part I Kannada
			version, Vidhyanidhi Publications, Gadag-582101, Karnataka.
10	Singh. R.L.	:	Elements of Practical Geography, Kalyani Publishers, New Delhi, 1979.

: Map Work and Practical Geography, III ed. Vikas Publishing

Elective - I

BASGECE 133/BSCGECE 133: Introduction to Physical Geography

24 hrs - 2 hrs/week

UNIT I: Geography – Divisions – Physical Geography - field and scope. Solar system – movements of the earth and effects.

UNIT II: Rocks and their types. Weathering and denudation – elements and factors -08-

UNIT III: Atmospheric weather and climate: temperature and pressure, Winds and their types. -08-

UNIT IV: Hydrosphere – ocean currents – temperature and salinity, Islands -04-

References:

1 Dasagupta and Kapoor : Principles of Physical Geography,

Chand and Co. New Delhi.2001.

2 Enayat Ahmed : Physical Geography, Kalayani

Publishers, Ludhiana 1982.

3 Mallappa. P. : Physical Geography, (Kannada

Version)-Chethana Book House,

Mysore 2000.

4 Ranganath: : Principles of Physical Geography,

(Kannada Version), Vidhyanidi Gadag,

2003.

5 Savindra Singh : Physical Geography, Pravag, Pustak

Bhavan, Allahabad-199

Core Course-II

BASGEC 181/BSCGEC 181: Human Geography

48 hrs - 4 hrs/week

UNIT I: Definition – field and scope of human Geography. Branches and Importance of Human Geography. Development of human geography- contributions of Germans, French and Americans.

UNITII: Conceptual approaches to the study of man – Environment Relationship-Environmental determinism, Possibilism, Probabalism, Revival of Environmental determinism.

UNIT III: Global cultural diversities- Culture- diffusion of culture .Hager strand theory of diffusion -Race Religion, Language, Political systems, Global patterns of tribes.

UNIT IV: Cultural realms of the world – Study of major realms with reference to ecology, economy and culture.

Introduction to Uuman Coography 1062

UNIT V: Population Composition- Age Structure, Sex Ratio, Literacy rate -08-

References:

Dickons and Ditts

1	Dickens and Pitts	: Introduction to Human Geography, 1963.
2	Dickens and Pitts	: Introduction to Human Geography, 1963
3	Harm d. Blij	: Human and Economic Geography, Mac Millan, New York, 1992
4	Hussain M	: Human Geography, Rawat Publications Jaipur, 2003.
5	Nelson, Gabler & Vining	: Human Geography, People, Cultures and Landscapes, 1995
6	Peter Daniels, Michael Bradshaw Denis Shaw, James Sidaway	: Human Geography, Issues for the 21st Century, Pearson 2003.
7	Norris and Haring	: Political Geography, Charles. E. Merill Publishing Company
8	Ranganath	: Political Geography, Charles. E. Merill Publishing Company
9	Ranganath	: Principles of Human Geography (Kan. Ver) Vidyanidhi, Gadag, 2002.
10	Rubenstein J.M.	: An Introduction to Human Geography, McMillan Publishing Company 1992.

II SEMESTER

Practical Course–II BASGEP 182/BSCGEP 182: Map Projections- I

36 hrs - 3 hrs/week

UNIT I: Map Projection: -04-

a) Definition, Classification and Importance.

UNIT II: Cylindrical Projections. -12-

a) Simple Cylindrical

b) Cylindrical Equal Area.

UNIT III: Conical Projections: -20-

a) Simple Conical Projection.

b) Conical Projection with Two Standard Parallels.

c) Bonne's Projection.

d) Poly Conic Projection.

Note: The above map projections should be constructed with exercises, properties and uses.

References:

1 Salar Masood. M. : Map Projections, Rao and Raghavam Co., Mysore.

1992.

2 Ranganath & Mallappa : Map Projections (Kan.version), Chetana, Book

House, Mysore. 2008.

3 Erwin Raisz : General Cartography; McGraw- Hill book

company Inc. 2010.

4 Singh R. L. : Elements of Practical Geography, Student's

Friends, Allahabad. 2011

5 George P Kellaway : Methuen & Co. Ltd., London. 2015

6 Gopal Singh : Map Work & Practical Geography, Surject Book

Depot, New Delhi. 2010

Elective II

BASGECE 183/BSCGECE 183: Regional Geography of the World

24 hrs - 2 hrs/week

- **UNIT I:** Political division of the world- Continents- Oceans- Seas –Rivers -06-
- UNIT II: Natural regions of the world decimal classification, major regions with reference to location, extent places, climate, vegetation, animal life and human activities with reference to: Equatorial, Monsoon, Mediterranean, grassland, hot and cold deserts, tundra region.

 -06-
- **UNIT III:** Economic activities -Agricultural types Mines- iron-ore, Power Resources- coal, and petroleum, Industry- Locations factors of industrial regions. -06-
- **UNIT IV:** Population patterns of distribution -06-

References:

Hartshorn.T.A.

1	Heintzelman and	:	World Regional Geography. Prentice Hall, New
	High Smith		Delhi 1965.
2	Husain .M	:	World Geography, Rawat, Jaipur, 2004.
3	Tikkha, Bali,	:	World Regional Geography, New Academic
	Sekhon		Publishing Company, Jalandhar, 2002.
4	Ranganath	:	Regional Geography of world, Vidyanidhi,
			Gadag, 2009.

: Economic Geography, PHI, NewDelhi-2009,

III Semester

Core Course - III

BASGEC 231/BSCGEC 231: Regional Geography of the World

48 hrs - 4 hrs/week

- **UNIT I: Distribution of major land forms** -Mountain, plains and plateaux-Rivers of the world -Natural vegetation, types and distribution- soils types and distribution.
- **UNIT II:** Natural regions of the World- Classification- A detail study of equatorial, monsoon, deserts, grasslands and tundra regions. -10-
- **UNIT III: Mineral and power resources** -Production and distribution and trade of Iron ore, manganese, gold, coal, petroleum, Natural gas. -10-
- **UNIT IV: Transportation** Roads, Railways and Ocean routes. Complementary and computation among nodes of transport. Hoover's transport cost theory. -10-
- **UNIT V: Population-**Growth of population, sex ratio, age composition of population and factors affecting the distribution of population. -08-

Kerere	ences:		
1	Heintzelman and High	:	World Regional Geography. Prentice Hall, New
	Smith		Delhi 1965.
2	Husain M.	:	World Geography, Rawat, Jaipur, 2004.
3	Tikkha, Bali, Sekhon	:	World Regional Geography, New Academic
			Publishing Company, Jalandhar, 2002.
4	Mallappa P.	:	Regional Geography of the world, Chetana
			Publication, Mysore 2015.
5	Ranganath	:	Regional Geography of the World, Vidyanidhi,
			Gadag, 2009.

III SEMESTER

Practical Course-III

BASGEP 232/BSCGEP 232: Map Projections – II

36 hrs - 3 hrs/week

UNIT I:	Map projections – Definition, Classification and importance. Choice of map projections and uses.	-10-
UNIT II: a) b) c) d)	Zenithal Projections –Polar case Zenithal equidistant equal area, Zenithal Gnomonic Zenithal Stereographic Zenithal Orthographic	-10-
UNIT III:	Conventional Projections-Sinusoidal, Mollweid's Projection.	-06-
UNIT IV: a) b)	Surveying- Meaning-importance – and types of surveying Plane table Surveying – Radiation and intersection. Chain surveying – types of chains- triangulation	-12-

Note: The above map projections should be constructed with exercises, properties and uses.

Re

1	Salar Massood. M.	:	Map Projections, Rao and Raghavam Co., Mysore. 1992.
2	Ranganath & Mallappa	:	Map Projections (Kan. version), Chetana, Book
			House, Mysore 2008.
3	Erwin Raisz	:	General Cartography; McGraw- Hill book
			company Inc.2010.
4	Singh R. L.	:	Elements of Practical Geography, Student's
			Friends, Allahabad. 2011.
5	George P Kellaway	:	Methuen & Co., Ltd., London. 2015.
6	Gopal Singh	:	Map Work & Practical Geography, Surject Book
			Depot, New Delhi. 2010.

Elective III

BASGECE 233/BSCGECE 233: Introduction to Human Geography

24 hrs - 2 hrs/week

UNIT I: Meaning and Scope of Human Geography-Man – Environment Relationship, Environmental determinism and possibilism. -06-

UNIT II: Culture and cultural diversion –Race, Religion and Language. -06-

UNIT III: Major primitive tribal of the world – Eskimos, Khirghis, Todas, Bushman. -06-

UNIT IV: Population – Growth – Demographic Cycle – Migrations Causes and Effects.-06-

References:

1 Dickens and Pitts : Introduction to Human Geography, 1963.

2 Harm D. Blij : Human and Economic Geography, Mac Millan,

New York, 1992.

3 Hussain M : Human Geography, Rawat Publications Jaipur,

2003.

4 Nelson Gabler & Vining : Human Geography, People, Cultures and

Landscapes, 1995.

5 Peter Daniels, : Human Geography, Issues for the 21st Century,

Michael Bradshaw, Pearson 2003

Denis Shaw and James Sidaway:

6 Norris and Haring : Political Geography, Charles. E. Merill

Publishing Company.

7 Ranganath : Principles of Human Geography (Kan. Ver.)

Vidyanidhi, Gadag, 2002.

8 Rubenstein J.M : An Introduction to Human Geography,

Macmillan Publishing Company 1992.

Core Course - IV

BASGEC 281/BSCGEC 281: Regional Geography of India

48 hrs - 4 hrs/week

- UNIT I: Location, size and extent- political divisions, Relief features- Drainage systemclimate, seasons, Rainfall- monsoons and its effects on the economy. Vegetation - major types and their distribution- afforestation programmes. Soils- major types, their characteristics-soil erosion and conservation.
- **UNIT II: Irrigation and Agriculture**: Irrigation- types, multipurpose projects DVC, Bhakra Nangal and Alamatti. **Agricultural crops** production and distribution of Rice, Wheat, Cotton, Sugar Cane, Coffee and Tea. -10-
- **UNIT III: Mineral and Power Resources-** Significance, production and distribution of Iron-ore, Mica, Bauxite, Coal, Petroleum, Electricity- Hydro. Major industries-Iron and Steel, Cotton Textile, Sugar, Major Industrial Regions of India.-10-
- **UNIT IV:** Transportation Network- roads, railways, water ways, airways. Trade Inter and International.
- **UNIT V: Population** Growth, Distribution and Density, Urbanization Trends and Patterns.

- 1 Gopal Singh : A Geography of India, Atmarama and Sons, New Delhi.
- 2 ICAR : Cropping pattern in India, 1974.
- 3 Mathur, S.M. Physical Geology of India, NBT 1991.
- 4 Ranganath : Regional and economic Geography of India (Kan. Ver)
 - Vidyanidhi, Gadag, 2006.
- 5 RanjitThirtha : Geography of India, Raniat, Jaipur 1996.
- 6 Khullar D.R. : . India a Comprehensive Geography, Kalyani Publishers,
 - Ludhiana 2000.
- 7 Tiwari R.C. : Geography of India, Prayag Pustak Bhawan, Allahabad,
 - 2003

Practical Course-IV

BASGEP 282/BSCGEP 282: Cartograms, and Distribution Maps

36 hrs - 3 hrs/week

UNIT II: Significance and use of cartograms in geography

-06
UNIT II: Graphsa) Line graphsb) Single, double,
c) Poly graphs
d) Bar graphsa) single and multiple bars (Both vertical and horizontal)
e) Compound bar, pyramid graphs.
f) Climograph, - Hythergraph, Ergo graph.
g) Proportionate circles - Sector/ Wheel diagram.

UNIT III: Thematic mapping —
a) Choropleth method,

- a) Choropiem memoc
- b) Dot method,
- c) Choro schematic,
- d) Choro-Chromatic,
- e) Isopleth.

References:

Gopal Singh Map Work and Practical Geography, III ed, Vikas Publishing 1. House, New Delhi 2 Mishra R.P Fundamentals of Cartography, 1969, Prasaranga University of Mysore, Mysore. 3 Maps and Diagrams Monkhouse F.J 4 Raisz E General Cartography, 1948. Tata-MC-Graw Hill, New York 5 Raisz E General Cartography, 1948. Tata-MC-Graw Hill, New York Robinson .H Elements of Cartography, John Wiley, London. 1963. 6 7 Singh. R.L Elements of Practical Geography Kalyani Publishers, New Delhi, 1979. Singh. L. R Practical Geography, Sharada Pustak Bhavan, Allahabad, 2008

Elective IV

BASGEOE 283/BSCGEOE 283: Regional Geography of India

24 hrs -2 hrs/week

UNIT I: Location and Extent, Physical features, Rivers, Climate, Soils, Natural Vegetation -06-

UNIT II: Population – Growth, Diversity- distribution,

-06-

UNIT III: Economy – Agricultural – major crops- minerals resources, Power resources- coal –petroleum, Electricity. -06-

UNIT IV: Industries – industrial regions – Iron and steel, cotton textiles, Fertilizers- cement - -06-

References:

1 Gopal Singh : Geography of India, Atmarama and Sons, New Delhi.

2 ICAR : Cropping pattern in India, 1974.

3 Mathur, S.M. : Physical Geology of India, NBT 1991.

4 Ranganath : Regional and economic Geography of India (Kan.Ver)

Vidyanidhi Gadag, 2006

5 Ranjit Thirtha : Geography of India, Ranjit, Jaipur 1996.

6 Khullar D.R : India a Comprehensive Geography, Kalyani Publishers

Ludhiana 2000.

7 Tiwari R.C : Geography of India, Prayag Pustak Bhawan, Allahabad

2 ed. 2003.

Compulsory Course -V

BASGEC 331/BSCGEC 331: Economic Geography of the World

48 hrs - 4 hrs/week

- **UNIT I: Economic Geography** Definition, field and approaches, Evolution of economic geography. -10-
- **UNIT II: Resources** Concept characteristics classification- conservation and management. Coal, Petroleum and Hydroelectricity. -10-
- **UNIT III: Agricultural and allied activities** Agricultural types agricultural regions Von Thunen's Agricultural location theory Crops Rice and wheat, Cotton and sugar cane, Coffee and tea, Fishing and animal resources.
- **UNIT IV: Industries-** factors of location weber's theory, Losch theory, Industrial regions of the world, International trade basis, pattern and trends.
- **UNIT V: Transportation-**meaning, types of transportation- Transcontinental Roads and Railways. -08-

References:

1 Alexander and : Economic Geography Prentice-Hall, III ed. 2000.

Hartshorne

2 Guha and : A New approach to Economic Geography.

Chattorji

3 Khanna and Gupta: World Resources and Trade, S. Chand and Company,

New Delhi.

4 Mallappa : Economic Geography (Kan. Ver) Chetana Book House,

Mysore 2001. 5.

5 Ranganath : A Geography of Industrial Resources, Vidyanidhi

Prakashna Gadag 2001.

Elective Course - VI

BASGEC 332/BSCGEC 332: Settlement Geography

48 hrs - 4 hrs/week

- **UNIT I: Meanings of Settlements and types** rural settlements classifications based on site, situation, shape and functions. -10-
- **UNIT II: Housing types**; evolution of dwellings, housings, types based on Materials, roofs with India examples. -10-
- **UNIT III: Urban settlements** Definition, Location and situation, Hierarchy- Rank size rule. Primate city concepts, Central place theory of Christaller's. -10-
- **UNIT IV: Structure of urban centres** Concentric theory, Sector theory, multiple nuclei theory. -10-
- **UNIT V:** The Functional classification of Urban Settlements: Urban settlements. Its types, and process. -08-

References:

1	Dickens and Pitts	:	Introduction to Human Geography, 1963.
2	Harm d. Blij	:	Human and Economic Geography, Mac Millan, New
			York, 1992.
3	Hussain M.	:	Human Geography, Rawat Publications Jaipur, 2003.
4	Nellson, Gabler&	:	Human Geography, People, Cultures and Landscapes,
	Vining		1995.
5	Peter Daniels,	:	Human Geography, Issues for the 21st Century, Pearson
	Michael Bradshaw		2003.
	Denis Shaw, James		
	Sidaway		
6	Norris and Haring	:	Political Geography, Charles. E. Merill Publishing
			Company.
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Ranganath : Principles of Human Geography (Kan. Ver) Vidyanidhi, Gadag, 2002.
 Rubenstein J.M : An Introduction to Human Geography, Mc. Millan

Rubenstein J.M : An Introduction to Human Geography, Mc. Millan Publishing Company 1992.

9 Singh. R.Y : Geography of Settlements, Rawat, New Delhi, 2007.

10 Harold Carter : The study of Urban Geography, 1982

Elective Course –VII BASGEC 333/BSCGEC 333: Geography of Tourism

48 hrs - 4 hrs/week

- **UNIT I:** Origin, development and significances of tourism -Factors influencing Tourism.

 Types of tourists- domestic and foreign.

 -06-
- UNIT II: Tourism infrastructure- Transportation, communication, resorts and hotels. -06-
- **UNIT III: Tourism planning and development, Marketing advertisement**—hospitality Associated problems, Accommodation, accessibility and resources, financial problem and resources.

 -12-
- UNIT IV: Case Studies Major tourist centres. Hill Station Mount Abu, Shimla, Kuduremukha. S.Beach Points Mangaluru, Vizag, Panaji, Marina beach. Historical Centres– Badami, Bijapur, Mysore, Ellora and Tajmahal. Religious Centers– Shirdi, Kanyakumari, Tirupathi and Dharmastala.
- UNIT V: Dams and Parks- T B Dam, Bhakra Nangal, DVC. National Parks Dachigam National Park, Gir National Park, Nanda Devi National Park, Periyar National Park.

 -12-

1	Jagmohan negi and	:	Tourism-India,50 years of independence,1947-
	Gaurav N Manohar		97 status
2	Manohar Sajani	:	Encyclopaedia of Tourism resources in India
			Gyan, publications, 2001, New Delhi.
3	Goswami V.K.	:	Tourism in India, Gyan Publications, 1987
4	ManoharSajani	:	Tourism and growth, Management and
			incentives, Gyan Publications 2002
5	Bezbaruah M.P.	:	Indian Tourism, Beyond millennium, Gyan
			publications, 1999.
6	Batta.N	:	Tourism and the environment, Indus books 2007
7	Bhardwaj, Kandan	:	Domestic tourism in India ,Indus books,2004
	Chaudhary		

V-SEMESTER

Practical Course – V

BASGEP 334/BSCGEP 334: Basic Statistics

36 hrs - 3 hrs/week

UNIT I: St	atistics- meaning	s, importance and limitations-	-06-			
a)	Sources of data-	primary and secondary.				
b)	b) Sampling- meaning and types of sampling,					
c)	Simple size dete	rmination.				
UNIT II: M	Ieasures of centr	al tendency –	-08-			
a)	Mean,					
b)	Median,					
c)	Mode, direct and	short cut methods for individual discrete and groupe	ed data			
UNIT III:	Measures of disp	ersion-	-08-			
a)	Mean deviation,					
b)	b) Quartile deviation					
c)	Standard deviation	on.				
UNIT IV:	Measures of Rela	tive dispersions-	- 06-			
a)	Co-efficient of Mean Deviations,					
b)	Coefficient of V	ariations.				
UNIT V: C	Correlation Analy	vsis –	-08-			
a)) Characteristics and types,					
b)	Correlation, Coefficient for grouped and ungrouped data.					
Reference	es:					
1	Singh. R.L.	: Elements of Practical Geography, Kalyani Pu New Delhi, 19791.	ıblishers			
2	Gopal Singh	: Map Work and Practical Geography, III ed, Publishing House, New Delhi,	Vikas,			
3	Mishra R.P	: Fundamentals of Cartography, 1969, Prasara University of Mysore, Mysore.	nga,			
4	Zamir Alvi	 Statistical Geography, Methods and Applica Rawat Publications, Jaipur 1995. 	tions,			

V SEMESTER

Practical Course - VI

BASGEP 335/BSCGEP 335: Interpretation of Topographical Maps

36 hrs - 3 hrs/week

UNIT I: Topographical maps – Importance, types of SOI topographical maps based on scale.

UNIT II: Conventional symbols – meaning – importance, conventional symbols of physical and cultural phenomena. Marginal features of the topographical maps.

-10-

UNIT III: Interpretation of the topographical maps under the followings heads -10-

a) Relief features

b) Drainage pattern

c) Natural vegetation and land use

d) Settlements,

e) Transportation and other cultural features.

UNIT IV: Conventional symbols of weather maps -Interpretation of Indian weather reports of – Rainy season winter season, summer season (Any two seasons). -10-

References:

V.C

1 Singh. R.L : Elements of Practical Geography, Kalyani

Publishers, New Delhi, 1979.

2 Gopal Singh : Map Work and Practical Geography, III ed.

Vikas Publishing House, New Delhi

3 Gupta K.K and Tyagi : Working with maps, Survey of India, Department

of Science and Technology, Govt. of India, Dehra

Dun 1992.

4 Mishra R.P : **Fundamentals of Cartography,** 1969,

Prasaranga, University of Mysore, Mysore.

5 Monkhouse F.J and : Maps and Diagrams Mathuen and Co, Ltd.,

Wilkinson H.R London 1952.

6 D.R. Khullar : Essentials of Practical Geography., New

Academic Publishing, Mai Hiran Gate, Jalandhar

2003

Compulsory Course - VIII BASGEC 381/BSCGEC 381: Environmental Geography

48 hrs - 4 hrs/week

- **UNIT I: Meaning and components of environment** field and scope of environmental geography Interdisciplinary nature of environmental geography. -10-
- **UNIT II:** Ecosystem Types functions, energy flow, ecological pyramids, Bio Geo Chemical cycles. -10-
- **UNIT III: Environmental Pollution** -Meaning, types and causes of pollution Air pollution, water pollution, noise pollution and degradation, Depletion of ozone layer, Greenhouse effect Climate change.

 -10-
- **UNIT IV: Man induced changes in environment:** Environment pollution, i.e. Air, water, noise, and solid waste with special reference to India. -10-
- UNIT V: Conservation and management of environment -Role of International and National Polices- Role of UNO Rio Summit declarations. Kyoto Declarations. Koppen Hagen summits.

rere		ices.		
	1	Agarwal K.C	:	Environmental Biology, Nidhi publishers Ltd,
				2001, Bikaner
	2	Chaurasia B.P	:	Environmental Pollution Consequences and
				measures
	3	Mathur H.S	:	Environmental Resources; The crisis of
				Development
	4	Odum E.P	:	Fundamentals of Ecology, WB Saunders Co,
				London, 1971
	5	Saxena H.M	:	Environmental Geography Rawat, Publications,
				Jaipur, 1999
	6	Sharma P.D	:	Ecology and Environment Rastogi Publications,
				New Delhi, 1999
	7	Strahler and Strahler	:	Geography and Mans Environment, John Weily,
				New York 1986
	8	Dash M.C		Fundamentals of Ecology, Tata McGraw Hill
	0	Duoii IVI.C	•	New Delhi 2002
				New Delin 2002

Elective Course – IX

BASGEC 382/BSCGEC 382: Regional Geography of Karnataka

48 hrs - 4 hrs/week

- **UNIT I: Physical setting** location, size and extent- relief features Climate, Rivers, Soils and vegetation.
- **UNIT II: Major Rivers Valley Projects** of Karnataka in the Krishna and Cauvery River basin. -08-
- **UNIT III: Major Agricultural Regions** Major Crops- Wheat, Rice, Sugar Cane, Cotton, and Coffee Dairy farming.
- **UNIT IV: Minerals and Industries** Silk, Sugar, Software Industries. -10-
- **UNIT V: Population**-Growth and Density, Sex- Ratio- Urbanization, Trends and Patterns. **Transportation**-Patterns of Road and Railways- Ports and Harbours Major Tourist Centres.

References:

1 Govt. of Karnataka : Karnataka State Gazetteer, 2 Volumes-

Publication

2 Mallappa : Geography of Karnataka (Kan.Ver)

3 Mishra R.P. : Geography of Mysore State

4 NBK Reddy and Murthy : Regional Geography of Mysore State

G.S.

5 Ranganath : Regional Geography of Karnataka, Mysore

Book House, Mysore, 2010

Elective Courses - X

BASGEC 383/BSCGEC 383: Population and Political Geography

48 hrs - 4 hrs/week

- **UNIT I: Population geography** Evolution, Nature, and Scope. Approaches Sources of Population data.
- **UNIT II: Population Growth** Distribution, Density and Demographic Cycle Migration–Causes–Types and Consequences. -10-
- **UNIT III: Population composition** Literacy, Age Structure, Sex-Ratio, Life Expectancy, Rural Urban Occupation. -10-
- UNIT IV: Population policies and planning of India- Five year plans, Human development Index and its components, population and environment. -10-
- **UNIT V: Elements of political Geography** –State and Nation, Frontiers, boundaries and buffer zones Heart Land and Rim Land Theory. -08-

1	Norris and Haring	:	Political Geography, Charles. E. Merill Publishing
			Company
2	Dixit. R.D	:	Political Geography, PHI, New Delhi – 2008.
3	Ranganath	:	Principles of Human Geography, Vidyanidhi, 2008,
			Gadag
4	Chandna. R.C	:	Geography of Population Kalyani New Delhi 2008
5	Mohammad Izhar	:	Population Geography, Rawat, New Delhi - 2008
	Hassan		
6	Sudeepta Adhikari	:	Political Geography of India, Sharada, Allahabad,
	_		U.P.

VI SEMESTER

Practical Course – VII

BASGEP 384/BSCGEP 384: Fundamentals of GIS, GPS and Remote Sensing

36 hrs - 3 hrs/week

UNIT I: GIS-

- a) Meaning, components of GIS,
- b) spatial data entities Point, Line, Polygon –
- c) Source of Spatial Data –
- d) Topographical Maps,
- e) Aerial Photographs
- f) Satellite imageries

UNIT II:Spatial data structure and management-

-10-

- a) Vector data structure,
- b) Raster data structure,
- c) Creating database.

UNIT III: Creating maps – digitization – Creating Database, -

-06-

a) Creating Thematic Maps – Map Furniture's.

UNITIV: Global positioning system-(GPS) Concept, GPS reference systems, components space segment, control segment, user segment. -06-

UNIT V: Remote Sensing – concept and images -interpretation of remote sensing. -04-

References:

1 Singh. R.L : **Elements of Practical Geography,** Kalyani Publishers,

New Delhi, 19791, Dehra Dun 1992

2 Mishra R.P : **Fundamentals of Cartography,** 1969, Prasaranga,

University of Mysore, Mysore

3 Punmia. B.C, Jain : **Surveying**, Laxmi publications (p) Ltd. New Delhi – 2005

4 Singh. L.R : **Practical Geography**, Sharada Pustak Bhavan,

Allahabad 2009

5 Burrough P.A : Principles of GIS, OUP, 1998.

6 Maguire D.J : Computer in Geography. Longman, London 1989. 7 Star J.C and J.E : Geographic Information Systems, An introduction

8 Kang – Tsung – : Introduction to Geographic Information Systems, Tata

Chang McGraw – Hill, New Delhi – 2008

9 Tor Bernardsen : Geographic Information System, Wiley, New Delhi –

2002

10 Prithvish Nag and : Geographical Information System, Concept, New Delhi-

Smitha Guptha 2007,

11 Siddiqui. M.A : Introduction to Geographical Information, Systems,

Sharada, Allahabad - 2009

Practical Course – VIII

BASGEP 385/BSCGEP 385: Field Techniques and Survey Based Project Report

36 hrs - 3 hrs/week

UNIT I: Field Work in Geographical Studies – Role, Value and Ethics of Field-Work. -05-

UNIT II: Defining the Field and Identifying the Case Study – Rural /Urban /Physical /Human /Environmental.

UNIT III: Field Techniques – Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non Participant).

UNIT IV: Questionnaires (Open/ Closed / Structured / Non-Structured); Interview with Special Focus on Focused Group Discussions; Space Survey (Transects and Quadrants Constructing a Sketch).

UNIT V: Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report.

Practical Record

- a) Each student will prepare an individual report based on primary and secondary data collected during field work.
- b) The duration of the field work should not exceed 10 days.
- c) The word count of the report should be about **8000 to 12,000** excluding figures, tables, photographs, maps, references and appendices.
- d) One copy of the report on A 4 size paper should be submitted in soft binding.

References:

1 Creswell J., : Research Design: Qualitative and Quantitative

1994 Approaches Sage, Publications.

2 Dikshit, R. D. : The Art and Science of Geography: Integrated Readings. Prentice-Hall of India, New Delhi.

3 Evans M., 1988: : Participant Observation: The Researcher as Research

Tool" in Qualitative Methods in Human Geography,

eds. J. Eyles and D. Smith, Polity.

4 Mukherjee, : Participatory Rural Appraisal: Methodology, and Neela 1993 Application. Concept Publication Co., New Delhi.

5 Mukherjee, : Participatory Learning and Action: with 100, Field

Neela 2002. Methods. Concept Publs. Co., New Delhi

6 Robinson A., : Thinking Straight and Writing That Way", in Writing

1998 Empirical Research Reports: A Basic Guide for

Students of the Social and Behavioural Sciences, eds. by F. Pryczak and R. Bruce Pryczak, Publishing: Los

Angeles.

7 Stoddard R. H., : Field Techniques and Research Methods in Geography,

1982 Kendall/Hunt