

**JSS COLLEGE OF ARTS, COMMERCE AND
SCIENCE
(AUTONOMOUS)
B.N. ROAD, MYSURU-570025**



**Structure & Detailed
Syllabus**

**Four years Multidisciplinary Undergraduate
Programme with Multiple Exit Options**

In

DEPARTMENT OF GEOGRAPHY

Effective from 2021-2022

JSS COLLEGE OF ARTS, COMMERCE & SCIENCE, OOTY ROAD, MYSURU-25

DEPARTMENT OF GEOGRAPHY

PROFORMA OF INSTRUCTIONS AND EXAMINATION FOR BA PROGRAMME IN

GEOGRAPHY (CBCS) DURATION OF THE COURSE: 3 YEARS (6 SEMESTER)

PROGRAMME: BA (HEG) PROGRAM CODE- BA21 (2019-20)

Year	SEM	Course code & Core course	Title of the paper	Course code	L + P hours per week	L:T:P	Total Credit	Total		Maximum Marks in exam/Assessment				Exam Duration	
								hours		SEE		IA			
								Th	Pr	Th	Pr	Th	Pr	Th	Pr
I BA	I	DSC-I :Theory	Physical Geography	ELA23021	4	4:0:0	6	60	-	70	-	30 (15+15)	-	3h	-
		DSC-I: Pract-I	Contour diagrams and meteorological instruments	ELA23121	4	0:0:2		-	60	-	35	-	15 (7.5+7.5)	-	3h
	II	DSC-II: Theory	Human Geography	ELB23021	4	4:0:0	6	60	-	70	-	30 (15+15)	-	3h	-
		DSC-II: Pract-II	Interpretation of Topographical Maps and Indian Daily Weather Maps	ELB23121	4	0:0:2		-	60	-	35	-	15 (7.5+7.5)	-	3h
II BA	III	DSC-III:Theory	General Cartography	ELC23021	4	4:0:0	6	60	-	70	-	30 (15+15)	-	3h	-
		DSC-III:PractIII	Map Projection	ELC23121	4	0:0:2		-	60	-	35	-	15 (7.5+7.5)	-	3h
	IV	DSC-IV: Theory	Environmental Geography	ELD23021	4	4:0:0	6	60	-	70	-	30 (15+15)	-	3h	-
		DSC-IV:PractIV	Statistical Methods in Geography	ELD23121	4	0:0:2		-	60	-	35	-	15 (7.5+7.5)	-	3h

	DSE-V: Theory	Choose any one												
		DSE- A: Geography of India	ELE23021	4	4:0:0	4	60	-	70	-	30 (15+15)	-	3h	-
		DSE- B: Economic Geography	ELE23221		4:0:0	4	60	-	70	-	30 (15+15)	-	3h	-
	DSE- V: Pract-V	Fundamentals of GIS	ELE23121	4	0:0:2	2	-	60	-	35	-	15 (7.5+7.5)	-	3h
	GE-1	Regional Geography of India	ELE23421	2	2:0:0	2	30	-	35	-	15 (7.5+7.5)	-	2h	-
	DSE-VI: Theory	Choose any one												
		DSE- A: Geography of Tourism	ELF23021	4	4:0:0	4	60	-	70	35	30	15	3h	3h
		DSE -B : Disaster Management	EFE23221	4	4:0:0	4	60	-	70	35	30 (15+15)	15	3h	-
	DSE-VI:PractVI	Computer Mapping and GPS Surveying	ELF23121	4	0:0:2	2	-	60	-	35	-	15 (7.5+7.5)	-	3h
	GE-2	Regional Geography of India	ELF23421	2	2:0:0	2	30	-	35	-	15 (7.5+7.5)	-	2h	-
TOTAL CREDITS						40								

JSS COLLEGE OF ARTS, COMMERCE & SCIENCE, OOTY ROAD, MYSURU-25

DEPARTMENT OF GEOGRAPHY

PROFORMA OF INSTRUCTIONS AND EXAMINATION FOR BA PROGRAMME IN

GEOGRAPHY (CBCS) DURATION OF THE COURSE: 3 YEARS (6 SEMESTER)

PROGRAMME: BA (KEG) PROGRAM CODE- BA23 (2019-20)

Year	SEM	Course code & Core course	Title of the paper	Course code	L + P hours per week	L:T:P	Total Credit	Total		Maximum Marks in exam/Assessment				Exam Duration			
								hours		SEE		IA		Th		Pr	
								Th	Pr	Th	Pr	Th	Pr	Th	Pr		
I BA	I	DSC-I :Theory	Physical Geography	ELA23023	4	4:0:0	6	60	-	70	-	30 (15+15)	-	3h	-		
		DSC-I: Pract-I	Contour diagrams and meteorological instruments	ELA23123	4	0:0:2		-	60	-	35	-	15 (7.5+7.5)	-	3h		
	II	DSC-II: Theory	Human Geography	ELB23023	4	4:0:0	6	60	-	70	-	30 (15+15)	-	3h	-		
		DSC-II: Pract-II	Interpretation of Topographical Maps and Indian Daily Weather Maps	ELB23123	4	0:0:2		-	60	-	35	-	15 (7.5+7.5)	-	3h		
II BA	III	DSC-III:Theory	General Cartography	ELC23023	4	4:0:0	6	60	-	70	-	30 (15+15)	-	3h	-		
		DSC-III:PractIII	Map Projection	ELC23123	4	0:0:2		-	60	-	35	-	15 (7.5+7.5)	-	3h		
	IV	DSC-IV: Theory	Environmental Geography	ELD23023	4	4:0:0	6	60	-	70	-	30 (15+15)	-	3h	-		
		DSC-IV:PractIV	Statistical Methods in Geography	ELD23123	4	0:0:2		-	60	-	35	-	15 (7.5+7.5)	-	3h		

	DSE-V: Theory	Choose any one												
		DSE- A: Geography of India	ELE23023	4	4:0:0	4	60	-	70	-	30 (15+15)	-	3h	-
		DSE- B: Economic Geography	ELE23223		4:0:0	4	60	-	70	-	30 (15+15)	-	3h	-
	DSE- V: Pract-V	Fundamentals of GIS	ELE23123	4	0:0:2	2	-	60	-	35	-	15 (7.5+7.5)	-	3h
	GE-1	Regional Geography of India	ELE23423	2	2:0:0	2	30	-	35	-	15 (7.5+7.5)	-	2h	-
	DSE-VI: Theory	Choose any one												
		DSE- A: Geography of Tourism	ELF23023	4	4:0:0	4	60	-	70	35	30	15	3h	3h
		DSE -B : Disaster Management	EFE23223	4	4:0:0	4	60	-	70	35	30 (15+15)	15	3h	-
	DSE-VI:PractVI	Computer Mapping and GPS Surveying	ELF23123	4	0:0:2	2	-	60	-	35	-	15 (7.5+7.5)	-	3h
	GE-2	Regional Geography of India	ELF23423	2	2:0:0	2	30	-	35	-	15 (7.5+7.5)	-	2h	-
TOTAL CREDITS						40								

Scheme of Examination

Course type	C1		C2		C3 Exam Marks		Total
	Theory	Lab	Theory	Lab	Theory	Lab	
DSC	15	---	15	---	70	---	100
DSC (PRACTICAL)	---	7.5	---	7.5	---	35	50
DSE	15	---	15	---	70	---	100
DSE (PRACTICAL)	---	7.5	---	7.5	---	35	50
GE	7.5	---	7.5	---	35	---	50

Note:

1. C1 will be conducted for 15 Marks (Theory) with 1 Hour duration.
2. C1 Practical for 15 Marks with 1 hour duration and it will be reduced to assigned marks.
3. C2 will be conducted for 15 Marks (Theory) with 1 Hour duration.
4. C2 Practical for 15 Marks with 1 hour duration and it will be reduced to assigned marks.
5. C3 will be conducted for 70 Marks (Theory) with 3 Hours duration.
6. Semester end practical for 35 Marks with 3 Hour duration.

GE C1 and C2 will be conducted for 15 marks each with 1 hour duration, it will be reduced to assigned marks and C3 will be conducted for 35 marks with 2 hours duration

Programme Outcome

After completing the graduation in BA in History, Economics, Geography the students are able to:

- PO1. Critically recognize the social, political, economic and cultural aspects of History.
- PO2. Demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information from multiple sources.
- PO3. Analyze the relationship between the past and the present, is lively presented in the History
- PO4. The study of History helps to impart moral education and the feeling of patriotism in the hearts of the pupils
- PO5. Explain, graph, and analyze key economics models
- PO6. Understand current events and evaluate specific policy proposals
- PO7. To address problem that do not have clear economic solutions
- PO8. Develop critical and quantitative thinking skills
- PO9. Communicate effectively in written, oral and graphical form about specific issues
- PO10. Apply economic analysis to everyday problems in real world situations
- PO11. Understand and appreciate relationship between man and Environment
- PO12. Read, interpret, and generate maps and other geographic representations
- PO13. To extract, analyze, and present information from a spatial perspective
- PO14. Understand physical-geographic processes, global distribution of
Landforms and ecosystems
- PO15. The role of physical environment on human population
- PO16. Develop the ethical aptitudes and dispositions necessary to acquire and hold
Leadership positions in industry, government, and professional organizations

Programme Outcome

After completing the graduation in BA in Kannada, Economics, Geography the students will:

PO1. Develop human values and a sense of social service

PO2. Become a responsible and dutiful citizen.

PO3. Able to enhance critical temper and creative ability

PO4. Explain, graph, and analyze key economics models

PO5. Understand current events and evaluate specific policy proposals

PO6. To address problem that do not have clear economic solutions

PO7. Develop critical and quantitative thinking skills

PO8. Apply economic analysis to everyday problems in real world situations

PO9. Understand and appreciate relationship between man and Environment.

PO10. Read, interpret, and generate maps and other geographic representations

PO11. Understand physical- geographic processes, the global distribution of landforms and Ecosystems

PO12. Role of the physical environment on human populations

Programme Specific Outcome

On completion of BA in History, Economics, Geography students will:

PSO1. Identify cultural and literary synthesis

PSO2. Critically recognize the social, political, economic and cultural aspects of History.

PSO3. Correctly extract evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.

PSO4. Understand theoretical and practical aspects of Economics and Geography

PSO5. Evaluate Economic behavior inconsonance with Geographical factors

PSO6. Suggest the policy makers about desirable changes to be made in Micro and Macro Economic issues based on geographical factors

PSO7. Gain ability to understand the economic problems in Geographical indicators

PSO8. Able to offer palatable solutions for economic and geographical challenges

PSO9. Attain Proficiency to analyze the economic decision of Government and non-Govt. Entities that correlate with Geographical factors

PSO10. Gain requisite knowledge to evaluate land use pattern and demographical profile

PSO11. Apply GIS for understanding Market situation, Transport problem change in Weather Condition, Cropping Pattern, and Natural Calamities and so on

Programme Specific Outcome

On completion of BA in Kannada, Economic , Geography students will:

PSO 1: Know more specific terminologies along with its etymology

PSO2: Know the changes in the differences in formation of society and their culture

PSO3: Help to understand different races, Society, and culture.

PSO4. Understand theoretical and practical aspects of Economics and Geography

PSO5. Evaluate Economic behavior inconsonance with Geographical factors

PSO6. Suggest the policy makers about desirable changes to be made in Micro and Macro Economic issues based on geographical factors

PSO7. Understand the relationship between man and environment

PSO8. Understand in simple language environmental problems their cause, Effect and Remedies.

PS97. Help the students to pursue higher studies and even in research

PSO10 Helpful for competitive examinations

PSO11. Students may help to guide agricultural activities, fertility of soils, their characteristics, Climatic condition, in regional language

ELA23021 / ELA23023

I SEMESTER
Geography I: PHYSICAL GEOGRAPHY

Course Outcome

- CO1. Learn the details of theories regarding origin of the Earth system
- CO2. Understand the classification and characteristics of Composition of the Earth
- CO3. Learn in details with examples geomorphic agents
- CO4. Understand in details with application, if applicable, atmospheric structure and composition
- CO5. Understand in details with application, if applicable, relief of the ocean floor

UNIT	No. of Hours
1. Physical Geography:	10
a) Meaning, Definition, Field, Nature(Multidisciplinary) and Scope, Components Of Earth System – Lithosphere, Atmosphere, Hydrosphere and Biosphere	
b) Theories regarding origin of the Earth: Nebular and Tidal theories	
2. Lithosphere:	15
a) Structure and Composition of the earth	
b) Distribution of land and water bodies : Wegner's Theory of Continental Drift and plate Tectonic	
3. Geomorphic agents and processes of Denudation	10
i) River ii) Glacier iii) Underground water iv) Wind	
4. Atmosphere	15
a) Meaning, composition and structure	
b) Distribution of Temperature, Pressure and Wind system – Insulation, Factors affecting ,Atmospheric temperature,	
c) Atmospheric Pressure – Factors affecting on pressure, Vertical and Horizontal distribution, Pressure belts of the world,	
d) Winds system – Factors affecting, types – Planetary, seasonal, local and Variable winds – with special reference to Tropical cyclones.	
5. Hydrosphere	10
a) Relief of ocean floor	
b) Tides and Ocean currents – Indian and Pacific	

Reference:

1. Conserva H. T., 2004: Illustrated Dictionary of Physical Geography, Author House, USA.
2. Gabler R. E., Petersen J. F. and Trapasso, L. M., 2007: Essentials of Physical Geography (8th Edition), Thompson, Brooks/Cole, USA
3. Garrett N., 2000: Advanced Geography, Oxford University Press.
4. Goudie, A., 1984: The Nature of the Environment: An Advanced Physical Geography, Basil Blackwell Publishers, Oxford
5. Hamblin, W. K., 1995: Earth's Dynamic System, Prentice Hall, N.J.
6. Husain M., 2002: Fundamentals of Physical Geography, Rawat Publications, Jaipur.
7. Monkhouse, F. J. 2009: Principles of Physical Geography, Platinum Publishers, Kolkata
8. Strahler A. N. and Strahler A. H., 2008: Modern Physical Geography, John Wiley & Sons, New York.
9. B.N Tikka – Physical Geography
10. Savindra Singh – Physical Geography

I SEMSETER

Practical I: Contour Diagrams and Meteorological Instruments

UNIT	No. of Hours
1. a). Representation of Relief Features: Hachure and Spot height, Bench Mark and contours b). Contour Diagrams. Slopes – Uniform, Undulating, Convex, Concave, Conical hill, Ridge, V & U shaped Valleys, Hanging valley, Plateau, Mountain pass, Rapids and waterfalls.	30
2. a) Meteorological Instruments- Functions and uses- Centigrade & Fahrenheit Thermometer, Maximum and Minimum thermometer, Hygrometer, Mercury barometer, Aneroid Barometer, Wind vane, Cup Anemometer, Rain gauge	30

References:

1. Gopal Singh : Map work and practical geography; Surjeet Book Depot, Delhi.
2. John and Keats : Cartographic design and production.
3. Mishra R.P : Fundamentals of Cartography, Prasaranga, University of Mysore, Mysore.
4. Monkhouse F.J
And Wilkinson H.R : Maps and Diagrams, Mathuen & Co. Ltd, London
5. Raisz .F : General Cartography, Mc Graw Hill Book Co. Inc.
6. Ranganath : An introduction to Practical Geography (Kan & Eng) Vidhyanidhi prakashana, Gadag.
7. Singh R.L : Elements of Practical Geography; Students Friends, Allahabad, India, 2006.
8. Khullar : Elements of Practical Geography; New Academic, Publishing co, Jalandhar.
9. S.S. Nanjannavar : Practical Geography (kan & Eng. Version) Vidhyanidhi Prakashana, Gadag.

II SEMSETER
Geography II: HUMAN GEOGRAPHY

Course Outcome

- CO1. Write down the details of human geography importance
- CO2. Deliberate in details with examples race, religion and language study
- CO3. Specify the details of demographic age transition study
- CO4. Understand in details with application, if applicable, population composition
- CO5. Learn in details with application, if applicable, human settlement study

UNIT	No. of Hours
1. Definition, Nature, Scope, Branches and Importance of Human Geography	8
2. Space and Society: Origin, Distribution and Types of Race, Religion and Language	12
3. Population Growth, Distribution and Density, Demographic Transition Theory.	10
4. Population Composition- Age Structure, Sex Ratio, Literacy rate	10
5. Human Settlements: Meaning, evolution and types – Rural and urban, patterns of settlements, trends of world urbanization.	20

Reading List

1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Daniel, P.A. and Hopkinson, M.F. (1989) 'The Geography of Settlement', Oliver & Boyd, London
3. Johnston R; Gregory D, Pratt G. et al. (2008), 'The Dictionary of Human Geography', Blackwell Publication.
4. Jordan-Bychkov et al. (2006) 'The Human Mosaic: A Thematic Introduction to Cultural Geography' W. H. Freeman and Company, New York
5. Kaushik, S.D. (2010) Manav Bhugol, Rastogi Publication, Meerut.
6. Maurya, S.D. (2012) Manav Bhugol, Sharda Pustak Bhawan. Allahabad.
7. Ghosh, S. (2015) Introduction to settlement geography. Orient Black Swan Private Ltd., Kolkata
8. Hussain, Majid (2012) Manav Bhugol. Rawat Publications, Jaipur

II SEMSETER
Practical II: INTERPRETATION OF TOPOGRAPHICAL MAPS
AND INDIAN DAILY WEATHER MAPS

UNIT	No. of Hours
1. a) Importance of Topographical Maps - b).Conventional signs and symbols. Interpretation of topographical maps pertaining to i) Physical Landscape - a. Relief features, b. Drainage system. c. Natural vegetation, land use and land cover ii) Cultural landscape – Settlements and Transportation network.	40
2. Interpretation of Indian Daily Weather Maps. 1. Conventional Signs and symbols. 2. Interpretation of Indian daily Weather Reports-Two seasons	20

References:

1. Singh R. L. : Elements of Practical Geography
2. Gopal Singh : Map Work and Practical Geography
3. Gupta K. K. and Tyagi V.C. : Working with maps
4. John and Keats : Cartographic design and production
5. Mishra R. P. : Fundamentals of Cartography
6. Monkhouse F. J. : Maps and diagrams.
And Wilkenson H.R.
7. Phyllis Dink : Map Work
8. Robinson H. : Elements of Practical Geography
9. D.R. Khullar : Essentials of Practical Geography
10. Ramamurthy : Map Interpretation, University of Madras

**III SEMESTER
GEOGRAPHY III: GENERAL CARTOGRAPHY**

Course Outcome

CO1. Understand in details with application, if applicable, evolution of cartography

CO2. Identify in details with examples maps study

CO3. Write down in details with examples map scale

CO4. Specify the classification and characteristics of map projection

CO5. Understand the details of representation of date

UNIT	No. of Hours
1. Evolution of cartography – Traditional and Digital	06
2. Maps – Types, Elements and Uses	09
3. Latitude and Longitude:- Measurement of Space and Time	10
a. Introduction, Earth axis	
b. Latitude – Great circle and Small circle, Major Latitude	
c. Longitude – Meridians	
d. Longitude and Time – Greenwich ,Local, Standard Time, Time zone, International Date line	
4. Map projection- Meaning, Types, Importance and uses	15
5. Representation of Data – Symbols, Dots, Choropleth, Isopleths and Flow Diagrams, Interpretation of Thematic Maps.	20

Note: This paper is not a practical paper, and the objective is to give basic information about various tools and techniques used in making maps. Students will not be involved in any laboratory work or hands on exercises, though a few demonstrations in the laboratories by teachers are recommended.

References:

1. Dent B. D., 1999: *Cartography: Thematic Map Design*, (Vol. 1), McGraw Hill.
2. Gupta K. K and Tyagi V. C., 1992: *Working with Maps*, Survey of India, DST, New Delhi.
3. Mishra R. P. and Ramesh A., 1989: *Fundamentals of Cartography*, Concept Publishing.
4. Robinson A., 1953: *Elements of Cartography*, John Wiley.
5. Sharma J. P., 2010: *Prayogic Bhugol*, Rastogi Publishers.
6. Singh R. L. and Singh R. P. B., 1999: *Elements of Practical Geography*, Kalyani Publishers
7. Singh R. L., 1998: *Prayogic Bhoogol Rooprekha*, Kalyani Publications.
8. Steers J. A., 1965: *An Introduction to the Study of Map Projections*, University of London

III SEMESTER**Practical III: MAP PROJECTION PRACTICAL**

UNIT	No. of Hours
1. Cylindrical Map Projections: A) Simple cylindrical projection B) Cylindrical Equal- area projection C) Mercator's projection	25
2. Conical Map projections A) Simple Conical projection B) Bonne's projection C) Polyconic projection	10
3. Zenithal map projections (Polar Case) A) Zenithal Equal -distant. B) Zenithal Equal – area C) Zenithal Gnomonic D) Zenithal Stereographic	25

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

References:

1. Salar Massod. M. : Map Projections, Roa and Raghavam Co., Mysore.
2. Ranganath & Mallappa : Map Projections (kan version), Chetana Book House, Mysore.
3. Erwin Raisz : General Cartography; Mc Graw- Hill book Company Inc.
4. Singh R L : Elements of Practical Geography, Student's Friend, Allahabad.
5. George P Kellaway : Methuen & Co., Ltd., London.
6. Gopal Singh : Map work & Practical Geography, Surjeet Book Depot, New Delhi.

IV– SEMESTER
Geography IV: ENVIRONMENTAL GEOGRAPHY

Course outcome

- CO1. Deliberate the characteristics of interdisciplinary nature of environmental geography
- CO2. Learn in depth ecosystem study
- CO3. Identify in details with examples environmental pollution
- CO4. Understand in depth conservation and management of environment

UNIT	No. of Hours
1. Meaning and components of environment- field and scope of environmental Geography – Interdisciplinary nature of environmental geography	15
2. Ecosystem – Types – functions, energy flow, ecological pyramids,- Bio Geo Chemical Cycles.	15
3. Environmental pollution -Meaning, types and causes of pollution Air pollution, water pollution, noise pollution and degradation, Depletion of ozone layer, Green house effect Climate change.	15
4. Conservation and management of environment -role of international and national polices- role of UNO .Rio summit declarations. Kyoto Declarations. Koppen Hagen summits,	15

References:

1. Casper J.K. (2010) Changing Ecosystems: Effects of Global Warming. Infobase Pub. New York.
2. Hudson, T. (2011) Living with Earth: An Introduction to Environmental Geology, PHI Learning Private Limited, New Delhi.
3. Miller, G.T. (2007) Living in the Environment: Principles, Connections, and Solutions, Brooks/ Cole Cengage Learning, Belmont.
4. Singh, R.B. (1993) Environmental Geography, Heritage Publishers, New Delhi.
5. UNEP (2007) Global Environment Outlook: GEO4: Environment for Development, United Nation's Environment Programme. University Press, Cambridge.
6. Wright R. T. and Boorse, D. F. (2010) Toward a Sustainable Future, PHI Learning Pvt. Ltd, New Delhi.
7. Singh, R.B. and Hietala, R. (Eds.) (2014) Livelihood security in Northwestern Himalaya: Case studies from changing socio-economic environments in Himachal Pradesh, India. Advances in Geographical and Environmental Studies, Springer
8. Singh, Savindra 2001. *Paryavaran Bhugol*, Prayag Pustak Bhawan, Allahabad. (in Hindi)
9. L.T Nayak – Environmental Geography (in Kannada)
10. Dr. Ranganath - Environmental Studies (in Kannada)

IV – SEMESTER

Practical IV: APPLICATIONS OF STATISTICAL METHODS IN GEOGRAPHY

UNIT	No. of Hours
<p>1. a). Methods of data collection – Primary and Secondary sources, census and sampling methods</p> <p>b). Measures of Central Tendency: Direct and shortcut Methods a) Arithmetic mean b) Median c) Mode (Grouping and formula)</p>	35
<p>2. a). Measures of dispersion – Mean and standard deviations</p> <p>b). Measures of association correlation</p> <p>c). Time series analysis</p>	25

References:

1. Singh R. L. : Elements of Practical Geography
2. Gopal Singh : Map Work and Practical Geography
3. Misra R. P. : Fundamentals of Cartography
4. Zamir Alvi : Statistical Geography, Methods and Applications.
5. Aslam Mahmood : Statistical Methods in Geography.
6. Ashis Sarkar : Practical Geography, Orient Longman, Kolkata.
7. Dr. C K Renukarya : Basic statistics (Kan & Eng Version)

ELE23021 (A) / ELE23023 (A)

V – SEMSETER
Geography V: GEOGRAPHY OF INDIA

Course outcome

- CO1. Deliberate in depth physical stinting of India
- CO2. Write down in details with examples Irrigation system of India
- CO3. Identify in depth population study of India
- CO4. Learn in depth resources base study of India
- CO5. Identify the characteristics of economic study of India

UNIT

No. of Hours

- | | |
|--|----|
| 1. Location, size and extent of India – Relief features- Drainage system – Climate | 15 |
| 2. Irrigation – Types, multipurpose river valley projects – DVC, Bhakra- Nangal, Alamatti | 10 |
| 3. Population – Size and Growth since 1901, Population Density and Distribution, Literacy, Sex Ratio. | 10 |
| 4. Resource Base –Livestock (cattle & fisheries),Power (Coal,& hydroelectricity) Minerals (iron ore and bauxite). | 10 |
| 5. Economy – Agriculture (Rice, Wheat, Sugarcane, Tea, Cotton); Industries (Cotton Textile, Iron-Steel, Automobile), Transportation Modes (Road and Rail). | 15 |

References:

1. Hussain M., 1992: *Geography of India*, Tata McGraw Hill Education.
2. Mamoria C. B., 1980: *Economic and Commercial Geography of India*, Shiva Lal Agarwala.
3. Miller F. P., Vandome A. F. and McBrewster J., 2009: *Geography of India: Indo-Gangetic Plain, Thar Desert, Major Rivers of India, Climate of India and Geology of India* - Alphascript Publishing.
4. Nag P. and Sengupta S., 1992: *Geography of India*, Concept Publishing.
5. Pichamuthu C. S., 1967: *Physical Geography of India*, National Book Trust.
6. Sharma T. C. and Coutinho O., 1997: *Economic and Commercial Geography of India*, Vikas Publishing.
7. Singh Gopal, 1976: *A Geography of India*, Atma Ram.
8. Spate O. H. K. and Learmonth A. T. A., 1967: *India and Pakistan: A General and Regional Geography*,

ELE23221 (B) / ELE23223 (B)

**V–SEMSTER
GEOGRAPHY V: ECONOMIC GEOGRAPHY**

Course outcome

- CO1. Identify the classification and characteristics of concepts of economic geography
- CO2. Understand the characteristics of locational theories
- CO3 .Understand in depth study of primary activities
- CO4. Learn the details of study of secondary activities
- CO5. Write down in details with examples study of tertiary and quaternary activities

UNIT	No. of Hours
1. Definition, Approaches and Fundamental Concepts of Economic Geography; Patterns of Development.	12
2. Locational Theories – Agriculture (Von Thunen) and Industrial (Weber).	12
3. Primary Activities – Intensive Subsistence Farming, Commercial Grain Farming, Plantation, Commercial Dairy Farming, Commercial Fishing, and Mining (iron ore, coal and petroleum).	12
4. Secondary Activities – Cotton Textile Industry, Petro-Chemical Industry, Major Manufacturing Regions.	12
5. Tertiary and Quaternary Activities – Modes of Transportation, Patterns of International Trade, and Information and Communication Technology Industry.	12

Reading List

1. Alexander J. W., 1963: *Economic Geography*, Prentice-Hall Inc., Englewood Cliffs, New Jersey.
2. Bagchi-Sen S. and Smith H. L., 2006: *Economic Geography: Past, Present and Future*, Taylor and Francis.
3. Coe N. M., Kelly P. F. and Yeung H. W., 2007: *Economic Geography: A Contemporary Introduction*, Wiley-Blackwell.
4. Combes P., Mayer T. and Thisse J. F., 2008: *Economic Geography: The Integration of Regions and Nations*, Princeton University Press.
5. Durand L., 1961: *Economic Geography*, Crowell.
6. Hodder B. W. and Lee R., 1974: *Economic Geography*, Taylor and Francis.
7. Wheeler J. O., 1998: *Economic Geography*, Wiley.
8. Willington D. E., 2008: *Economic Geography*, Husband Pres

V– SEMESTER
Practical V: FUNDAMENTALS OF G.I.S

UNIT		No. of Hours
1	a) Meaning, definitions, components and importance of GIS b) Spatial entities – Point, line and polygon Sources of spatial data- Census, Topographical Maps, Aerial Photographs and Satellite Imageries	20
2	a) Spatial Data Structure Raster and vector data Structures Linking spatial and non spatial data b) Introduction to MapInfo software	20
3	a) Geo – referencing , Choice of map projection – Digitization, Attaching attribute data (Creating data base), Editing, Map layout, Thematic map	20

References:

1. Burrough P.A. : Geographical Information Systems for Land Resources
2. Maguire D. J. : Computers in Geography
3. Star J. C and J.E. : Geographic Information Systems
4. Internet : GIS. Development
5. Heywood : Introduction to GIS, 2002.
6. Mahesh : Introduction to GSI Shivalingappa Chandrashekar :

ELE23421/ELE23423

GENERIC ELECTIVES - I
V – SEMESTER
Geography : REGIONAL GEOGRAPHY OF INDIA

Course Outcome

- CO1. Identify the characteristics of size and extent of India
- CO2. Understand the classification of Physical division of India
- CO3. Identify the different climate regions of India
- CO4. Identify the classification and characteristics of Population density and distribution
- CO5. Specify the characteristics of human migration

UNITS	No. of Hours
1. Location, size and extent of India	02
2. Physiographic divisions of India.	10
3. River system of India and Climate	08
4. Population growth, density and distribution	06
5. Human Migration -- Meaning, causes, types and consequences	04

Reference:

1. Hussain M., 1992: *Geography of India*, Tata McGraw Hill Education.
2. Mamoria C. B., 1980: *Economic and Commercial Geography of India*, Shiva Lal Agarwala.
3. Miller F. P., Vandome A. F. and McBrewster J., 2009: *Geography of India: Indo- Gangetic Plain, Thar Desert, Major Rivers of India, Climate of India, Geology of India*, Alphascript Publishing
4. Nag P. and Sengupta S., 1992: *Geography of India*, Concept Publishing
Pichamuthu C. S., 1967: *Physical Geography of India*, National Book Trust.
5. Sharma T. C. and Coutinho O., 1997: *Economic and Commercial Geography of India*, Vikas Publishing.
6. Singh Gopal, 1976: *A Geography of India*, Atma Ram.
7. Spate O. H. K. and Learmonth A. T. A., 1967: *India and Pakistan: A General and Regional Geography*,
8. Mallappa, *Geography of India*
9. Dr. Ranganath, *Regional Geography of India*.

ELF23021 (A) / ELF23023 (A)

VI – SEMESTER

Geography VI: GEOGRAPHY OF TOURISM

Course outcome

- CO1. Learn in depth geography of tourism concepts
- CO2. Specify in details with examples types of tourism
- CO3. Learn in details with application, if applicable, recent trends of tourism
- CO4. Identify in details with application, if applicable, impact of tourism
- CO5. Understand the details of tourism in India

UNIT

No. of Hours

- | | |
|--|----|
| 1. Origin, Development and significance of Tourism – factors influencing on tourism | 10 |
| 2. Type of Tourism: Nature Tourism, Cultural Tourism, Medical Tourism, Pilgrimage | 15 |
| 3. Recent Trends of Tourism: International and Regional; Domestic (India); Eco- Tourism, Sustainable Tourism, Meetings, Incentives, Conventions And Exhibitions (MICE), Carrying capacity of Tourism | 15 |
| 4. Impact of Tourism: Economy; Environment; Society | 10 |
| 5. Tourism in India: Tourism Infrastructure; Case Studies of Himalaya, Desert and Coastal and Heritage; National Tourism Policy | 10 |

Reference:

1. Dhar, P.N. (2006) International Tourism: Emerging Challenges and Future Prospects. Kanishka, New Delhi.
2. Hall, M. and Stephen, P. (2006) Geography of Tourism and Recreation – Environment, Place and Space, Routledge, London.
3. Kamra, K. K. and Chand, M. (2007) Basics of Tourism: Theory, Operation and Practise, Kanishka Publishers, Pune.
4. Page, S. J. (2011) Tourism Management: An Introduction, Butterworth-Heinemann- USA.
5. Raj, R. and Nigel, D. (2007) Morpeth Religious Tourism and Pilgrimage Festivals Management: An International perspective by, CABI, Cambridge, USA, www.cabi.org.
6. Tourism Recreation and Research Journal, Center for Tourism Research and Development, Lucknow
7. Singh Jagbir (2014) “Eco-Tourism” Published by - I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India(www.ikbooks.com).

ELF23221 (B) / ELF23223 (B)

VI – Semester

Geography VI: DISASTER MANAGEMENT

Course Outcome

- CO1. Identify in details with application, if applicable, hazards and disasters concepts
- CO2. Specify the characteristics of flood, landslide, drought are in India
- CO3. Write down in details with examples earthquake tsunami and cyclone are in India
- CO4. Identify the classification and characteristics of human induced disasters
- CO5. Learn in details with examples response and mitigation to disaster

UNIT	No. of Hours
1. Hazards, Risk, Vulnerability and Disasters: Definition and Concepts.	12
2. Disasters in India: (a) Causes, Impact, Distribution and Mapping: Flood, Landslide, Drought.	12
3. Disasters in India: (b) Causes, Impact, Distribution and Mapping: Earthquake, Tsunami and Cyclone.	12
4. Human induced disasters: Causes, Impact, Distribution and Mapping.	12
5. Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During Disasters	12

Reading List

1. Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
2. Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
3. Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
4. Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3
5. Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
6. Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
7. Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.
8. Singh Jagbir (2007) "Disaster Management Future Challenges and Opportunities", 2007. Publisher- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India (www.ikbooks.com).

ELF23121 / ELF23123

VI – SEMESTER

Practical VI: COMPUTER MAPPING AND GPS SURVEYING

UNIT	No. of Hours
1. Introduction to Computer : Generation of Computers, Hardware and Software Components	20
2. Computer graphics : Creating Data base in computer, creation of Line, Bar and Pie diagrams. Thematic Maps - Choro chromatic and Schematic Maps	20
3. GPS Surveying: Concepts, Segments and applications, plotting way Points by using map source software.	20
4. Tour report / Factory visit	

References:

1. Singh L.R. : Fundamentals of Practical Geography, Sharadha Pustaka Bhavan, Alahabad, 2006
2. Dr. M.A. Siddaqui : Introduction to Geographical Information System, Sharadha Pustaka Bhavan, Alahabad, 2006
3. Chang : Introduction to GIS, Tata McGraw Hill W, New Delhi.

ELF23421/ELF23423

**GENERIC ELECTIVES II
VI– SEMESTER
Geography : REGIONAL GEOGRAPHY OF INDIA**

Course Outcome

- CO1. Identify the characteristics of size and extent of India
- CO2. Understand the classification of Physical division of India
- CO3. Identify the different climate regions of India
- CO4. Identify the classification and characteristics of Population density and distribution
- CO5. Specify the characteristics of human migration

UNITS	No. of Hours
1. Location, size and extent of India	02
2. Physiographic divisions of India.	10
3. River system of India and Climate	08
4. Population growth, density and distribution	06
5. Human Migration -- Meaning, causes, types and consequences	04

Reference:

1. Hussain M., 1992: *Geography of India*, Tata McGraw Hill Education.
2. Mamoria C. B., 1980: *Economic and Commercial Geography of India*, Shiva Lal Agarwala.
3. Miller F. P., Vandome A. F. and McBrewster J., 2009: *Geography of India: Indo- Gangetic Plain, Thar Desert, Major Rivers of India, Climate of India, Geology of India*, Alphascript Publishing
4. Nag P. and Sengupta S., 1992: *Geography of India*, Concept Publishing
Pichamuthu C. S., 1967: *Physical Geography of India*, National Book Trust.
- 10 Sharma T. C. and Coutinho O., 1997: *Economic and Commercial Geography of India*, Vikas Publishing.
- 11 Singh Gopal, 1976: *A Geography of India*, Atma Ram.
- 12 Spate O. H. K. and Learmonth A. T. A., 1967: *India and Pakistan: A General and Regional Geography*,
- 13 Mallappa, *Geography of India*
- 14 Dr. Ranganath, *Regional Geography of India*.

DEPARTMENT OF GEOGRAPHY
MODEL QUESTION PAPER FOR CBCS SCHEME
B.A GEOGRAPHY
(For I, II, III, IV, V AND VI semesters)

Time: 3 Hours

Max. Marks: 70

Part-A

I. Answer any five of the following questions. Answer should not exceed 50 words **5x2=10**

- 1).....
- 2).....
- 3).....
- 4).....
- 5).....
- 6).....
- 7).....

Part-B

II. Answer any Six of the following questions. Answer should not exceed 100 words **6x5=30**

- 8).....
- 9).....
- 10).....
- 11).....
- 12).....
- 13).....
- 14).....
- 15).....

Part –C

III. Answer any Three of the following questions. **3x10=30**

- 16).....
- 17).....
- 18).....
- 19).....
- 20).....

.....

**DEPARTMENT OF GEOGRAPHY
MODEL QUESTION PAPER FOR CBCS SCHEME
B.A GEOGRAPHY IN GENERIC ELECTIVE
(For V AND VI semesters)**

Time: 3 Hours

Max. Marks: 35

Part-A

I. Answer any five of the following questions. Answer should not exceed 50 words **5x2=10**

- 1).....
- 2).....
- 3).....
- 4).....
- 5).....
- 6).....
- 7).....

Part-B

II. Answer any Three of the following questions. Answer should not exceed 100 words **3x5=15**

- 8).....
- 9).....
- 10).....
- 11).....
- 12).....

Part –C

III. Answer any one of the following question. **1x10=10**

- 13).....
- 14).....

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