JSS MAHAVIDYAPEETHA

J S S COLLEGE FOR WOMEN (AUTONOMOUS)

(An Autonomous College of University of Mysore: Re - Accredited by NAAC at 'A+' Grade with CGPA of 3.51)

Saraswathipuram, Mysuru – 570 009

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DEPARMENT OF GEPGRAPHY

CBCS SYLLABUS

2018-19
0NWARDS

JSS COLLEGE FOR WOMEN (AUTONOMOUS)

SARASWTHIPURAM, MYSORE-9

DEPARTMENT OF GEOGRAPHY

LIST OF EXAMINERS

SL. NO.	Name and Designation	Address	Contact no.	Total years of service
1	Nagalanmbike N. HOD & Chairman	JSS College for Women (Autonomous) Mysore-9	9743742412	14
2	Smt. V.K.Pavithra Assistant Professor	JSS College Gundlupet	8970180082	04
3	P.M.Mahadevaswamy HOD&Associate Professor	JSS College Ooty Road Mysore	9448945968	35
4	Rajendra Assistantte Professor	JSS College Ooty Road Mysore	8970180082	07
5	Sathish K.R. Assistantte Professor	JSS College Ooty Road Mysore	9480391164	05
6	Dr.Ashwathnarayana Associate Professor	Maharaja College Mysore	9036372269	33
7	P.Krishnakumar HOD&Associate Professor	Maharaja College Mysore	9448945968	15
8	Srinivas Associate Professor	Sri Devaraja Urs F.G.College Hunusuru	9448554033	33
9	A.N. MahadevaPrasad HOD & Assistant Professor	JSS College, Chamarajanagar		28
10	M. Mariswamappa Associate Professor	JSS College Gundlupet		25
11	Basavarsju S HOD & Assistant Professor	JSS College, Chamarajanagar	9620101858	25
12	Smt, Smitha Assistant Professor	JSS College, Kollegala	9632277129	07
13	Shri Manjunath Assistant Professor	JSS College, Kollegala	9632277129	05
14	Dr. Vasuma Associate Professor	Maharani"s College	9620101858	30
15	H.K. Prabhuswamy Assistant Professor	JSS College Gundlupet		13
16	Shiva. Assistant Professor	JSS College Ch.Nagar		12

17	Tejaswini M.U. Assistant Professor	JSS College, Nanjangud		10
18	R. B. Nagendra swamy Assistant Professor	JSS College Gundlupet		06
19	Nijagunamma N	JSS College, Nanjangud		16
20	Savitha Ss Assistant Professor	JSS College, Nanjangud		06
21	Pramila Assistant Professor	JSS College Ooty, Road Mysore		06
22	Dr. Sathish	JSS College Gundlupet		

B.A GEOGRAPHY CBCS SCHEME

DEPARTMENT OF GEOGRAPHY

Course Structure (2017-18 onwards)

Core papers Geography (Credit: 06 each) (DSC1A-4D):

1. Physical Geography (4) + Lab (2)
2. Human Geography (4) + Lab (2)
3. General Cartography (4) + Lab (2)
4. Environmental Geography (4) + Lab (2)

Discipline Specific Elective papers (2 Compulsory Paper, Credit: 06 each)

V Semester (DSE – 1): Choose any 1

1. Geography of India (4) + Lab (2)
2. Economics Geography (4) + Lab (2)

VI Semester (DSE – 2): Choose any 1

3. Disaster Management (4) + Lab (2)
4. Geography of Tourism (4) + Lab (2)

Skill Enhancement Course (2 Compulsory Paper, Credit: 04 each)

V Semester (SEC – 1): Choose any 1

1. Regional Planning and Development
2. Remote Sensing and GPS based Project Report

VI Semester (SEC – 2): Choose any 1

3. GIS based Project Report
4. Field Techniques and Survey based Project Report

Generic Elective (2)

V Semester

1. Disaster Risk Reduction

VI Semester

2. Sustainability and Development

Department of Geography

Course Structure (2017-18 onwards)

Semester	Course	Course Title	Course type	No. of credits			
				L	T	P	Total
I	**DSC – 1A**	Physical Geography	**Core**	04	-	02	06
II	**DSC – 2B**	Human Geography	**Core**	04	-	02	06
III	**DSC – 3C**	General Cartography	**Core**	04	-	02	06
IV	**DSC– 4D**	Environmental Geography	**Core**	04	-	02	06
Discipline Specific Elective papers (2 Compulsory Paper)							
V	**DSE-1,** (Choose any one)	Geography of India	**Elective**	04	-	02	06
		Economics Geography	**Elective**	04	-	02	06
VI	**DSE-2** (Choose any one)	Disaster Management	**Elective**	04	-	02	06
		Geography of Tourism	**Elective**	04	-	02	06
Skill Enhancement Course (2 Compulsory Paper)							
V	**SEC – 1,** (Choose any one)	Regional Planning and Development	**SEC**	04	-	-	04
		Remote Sensing and GPS based Project Report	**SEC**	04	-	-	04
VI	**SEC – 2** (Choose any one)	GIS based Project Report	**SEC**	04	-	-	04
		Field Techniques and Survey based Project Report	**SEC**	04	-	-	04
Generic Elective (2)							
V	GE-1	Disaster Risk Reduction	**GE**	04	-	-	04
VI	GE-2	Sustainability and Development	**GE**	04	-	-	04

Assessment Maximum marks - 100

Course type	C1		C2		C3 Exam Marks		Assigned Marks (Percentage)			Total
	Theory	Lab	Theory	Lab	Theory	Lab	Theory	Lab	IA	
DSC	**10**	**05**	**10**	**05**	**70**	**70**	**50**	**20**	**30**	**100**
DSE	**10**	**05**	**10**	**05**	**70**	**70**	**50**	**20**	**30**	**100**
SEC	**15**	**-**	**15**	**-**	**70**	**-**	**70**	**--**	**30**	**100**
SEC (Project Based)	**15**	-	**15**	**-**	**70**	**-**	**70**	**--**	**30**	**100**
GE	**15**	-	**15**	**-**	**70**	**-**	**70**	**--**	**30**	**100**

Note:

1. **C1 will be conducted for 20 Marks (Theory) with one Hour duration, 10 Marks (Lab) with continuous assessment and it will be reduced to assigned marks.**
2. **C2 will be conducted for 20 Marks (Theory) with one Hour duration, 10 Marks (Lab with continuous assessment and it will be reduced to assigned marks.**
3. **C3 will be conducted for 70 Marks (Theory) with three Hour duration, 70 Marks (Lab) with 3 Hour duration and to be reduced to assigned marks.**
4. **For non-practical SEC, course C1 and C2 will be conducted for 15 Marks each wit, one Hour duration and will be reduced to 30 marks. C3 will be conducted for 70 Marks (Theory) with three Hour duration, and will be retained.**
5. **In case of Project Based SEC, C1 and C2 will be conducted for 15 Marks each with, one Hour duration and will be reduced to 30 marks. C3 will be conducted 70 Marks (50 Marks for dissertations work and 20 Marks for viva) with 3 Hour duration, and to be reduced to assigned marks.**

Core Course (4 Compulsory Papers)

Semester I	
01	Theory - 1. Physical Geography,
02	Practical - 1. Contour Diagrams and Meteorological Instruments

Semester II	
01	Theory - 2. Human Geography
02	Practical - 2. Interpretation Of Topographical Maps And Indian Daily Weather Reports

Semester III	
01	Theory - 3. General Cartography
02	Practical 3. Map projection

Semester IV	
01	Theory - 4. Environmental Geography
02	Practical - 4. Application of Statistical methods in Geography

Semester V	
01	Theory - 5. Geography of India (DSE)
02	Theory - 6. Regional Planning and Development (SEC)
03	Practical - 5. Fundamental of GIS

Semester VI	
01	Theory - 7. Geography of Tourism (DSE)
02	Theory - 8. Field Techniques and Survey based Project Report (SEC)
03	Practical- 6. Computer mapping and GPS Surveying

Core Course (4 Compulsory Papers)

Semester I
Theory - 1. Physical Geography,

Semester II
Theory - 2. Human Geography

Semester III
Theory - 3. General Cartography

Semester IV
Theory - 4. Environmental Geography

Semester V	
01	Theory - 5. Geography of India (DSE)
02	Theory - 6. Regional Planning and Development (SEC)

Semester VI	
01	Theory - 7. Geography of Tourism (DSE)
02	Theory - 8. Field Techniques and Survey based Project Report (SEC)

Practical Papers for I semester to VI semester

Semester I
Practical - 1. Contour Diagrams and Meteorological Instruments

Semester II
Practical - 2. Interpretation of Toposheets and Indian daily weather reports

Semester III
Practical 3. Map projection

Semester IV
Practical - 4. Application of Statistical methods in Geography

Semester V
Practical - 5. Fundamental of GIS

Semester VI
Practical- 6. Computer mapping and GPS Surveying

Choice Base Credit System

B.A./B.Sc. Geography

	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (4)	Generic Elective GE (2)
I	Physical Geography				
II	Human Geography				
III	General Cartography (Practical)				
IV	Environmental Geography				
V			Regional Planning and Development	Geography of India	
VI			Field Techniques and Survey based Project Report (Practical)	Geography of Tourism	

Note: Practical paper will not have tutorial

B.A I Semester Core Course (Paper – I)

(For Students admitted in 2017-18 and onwards)
Teaching hours theory 4hrs Practical 4hrs
Credit 4:0:2 Total 6 credits

Physical Geography 60 Hrs lectures

Unit 1. Physical Geography: 15

a) Meaning, Definition, Field, Nature, Scope and importance.
b) Components of Earth System
c) Theories regarding origin of the Earth: Nebular and Tidal theories.

Unit 2. Lithosphere: 10

a) Structure and Composition of the earth
b) Distribution of land and water bodies
c) Wegner's Theory of Continental Drift and plate Tectonic

Unit 3. Geomorphic agents and processes of Denudation 15

a) River b) Glacier c) Underground water d) wind

Unit 4. Atmosphere 12

a) Meaning, composition and structure
b) Atmospheric temperature and its distribution
c) Atmospheric Pressure – Pressure belts of the world.
d) Winds system –types.
e) Clouds – types.
f) Rainfall – types

Unit 5. Hydrosphere 10

a) Relief of ocean floor
b) Tides and Ocean currents – Indian and Pacific

Reading List

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.

I-Semester
Practical Paper – I
Contour Diagrams and Meteorological Instruments

Unit	Topic	Total teaching hours: 60
Unit-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.	25
Unit–2:	**a)** Meteorological Instruments- Functions and uses- Centigrade & Fahrenheit Thermometer, Maximum & Minimum thermometer, Hygrometer, Mercury barometer, Aneroid Barometer, Wind vane, Cup Anemometer, Rain gauge (Cylindrical)	25
Unit-3:	Enlargement and Reduction of Maps- Square method.	10

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.

B.A II Semester Core Course (Paper – II)

(For Students admitted in 2017-18 and onwards)
Teaching hours theory 4hrs Practical 4hrs
Credit 4:0:2 Total 6 credits

Human Geography 60 Hrs lectures

Unit-1: Definition, Nature, Scope
Branches and Importance of Human Geography 6

Unit-2: Space and Society: Origin
Distribution and Types of Race, Religion and Language 12

Unit-3. Population Growth, Distribution and Density
Demographic Transition Theory. 10

Unit-4: Population Composition- Age Structure, Sex Ratio, Literacy rate 12

Unit-5: Human Settlements: Meaning
Evolution and Types – Rural and Urban, Patterns of Settlement,
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 SEMESTER
Practical Paper – II
INTERPRETATION OF TOPOGRAPHICAL MAPS AND INDIAN DAILY WEATHER REPORTS

Unit Topic Total teaching hours: 60

Unit I : a) Importance of Topographical Maps 40

b) Conventional signs and symbols.

Unit II: Interpretation of topographical maps pertaining to

i) Physical Landscape - a. Relief features,

b. Drainage system.

c. Natural vegetation and land use.

ii) Cultural landscape – Settlements and Transportation network.

Unit III: Interpretation of Indian Daily Weather Reports. 20

1. Conventional Signs and symbols.

2. Interpretation of Indian daily Weather Reports.

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. And Wilknson H.R. : Maps and diagrams.
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

B.A III Semester Core Course (Paper – III)

(For Students admitted in 2017-18 and onwards)
Teaching hours theory 4hrs Practical 4hrs
Credit 4:0:2 Total 6 credits

60 Hrs lectures

3. General Cartography

Unit I: Development of cartography 06

Unit II: Maps – Types, Elements and Uses 09

Unit III: Map Scale – Types and Application, Reading Distances on a Map. 10

Unit IV: Map projection- Meaning, Types, Importance and uses 15

Unit V: A) Representation of Data – Symbols, Dots,
B) Choropleth, Isopleth and Flow Diagrams
C) 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.

Reading List

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 Paper – III
MAP PROJECTION

Unit	Topic	Total teaching hours: 60
Unit I	**Cylindrical Map Projections:** 1. Simple cylindrical projection 2. Cylindrical Equal- area projection 3. Mercator's projection	**25**
Unit II	**Conical Map projections** 1. Simple Conical projection 2. Bonne's projection 3. Polyconic projection	**10**
Unit III	**Zenithal map projections (Polar Case)** 1. Zenithal Equi -distant. 2. Zenithal Equal – area 3. Zenithal Gnomonic 4. 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 Friends, Allahbad.
5. George P Kellaway : Methuen & Co. , Ltd., London.
6. Gopal Singh : Mapwork & Practical Geography, Surjeet Book Depot, New Dehli.

B.A IV Semester Core Course(Paper – IV)

(For Students admitted in 2017-18 and onwards)
Teaching hours theory 4hrs Practical 4hrs
Credit 4:0:2 Total 6 credits

Environmental Geography

60 rs lectures

Unit I: Environmental Geography: Concepts and Approaches
Ecosystem –Concept and Structure; Ecosystem Functions. 12

Unit II: Human - Environment Relationship in Equatorial, Desert, Mountain and Coastal Regions. 10

Unit III: Environmental Problems and Management: Air Pollution
Biodiversity Loss; Solid and Liquid Waste. 16

Unit IV: Environmental Programmes and Policies:
Developed Countries and Developing Countries. 12

Unit V: New Environmental Policy of India; Government Initiatives. 10

Reading List

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 Nations 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)

IV SEMESTER
Practical Paper – IV

APPLICATION OF STATISTICAL METHODS IN GEOGRAPHY

Unit	Topic	Total teaching hours: 60
1.	a). Methods of data collection – Primary and secondary sources, census and sampling methods.	35
	b) . Measures of Central Tendency: Direct and shortcut Methods- a)Arithmetic mean b) Median c) Mode (grouping and formula)	
2.	a). Measures of dispersion – Mean and standard deviations	25
	b). Measures of association correlation	
	c). Time series analysis	

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)

Discipline Specific Elective Papers (2 Compulsory Papers)

B.A V Semester DSE-I (Paper – V)

(For Students admitted in 2017-18 and onwards)
Teaching hours theory 4hrs Practical 4hrs
Credit 4:0:2 Total 6 credits

1. Geography of India

Unit I: Physical Setting – Location, Structure and Relief
Drainage, Climate. 14

Unit II: Population – Size and Growth since 1901,
Population Density and Distribution, Literacy, Sex Ratio. 10

Unit III: Settlement System – Types – Rural and urban, Patterns of Settlements 10

Unit IV: Resource Base –Livestock (cattle & fisheries),
Power (coal,& hydroelectricity) Minerals (iron ore and bauxite). 10

Unit v: Economy – Agriculture (Rice, Wheat, Sugarcane, Groundnut, Cotton); 16
Industries (Cotton Textile, Iron-Steel, Automobile),
Transportation Modes (Road and Rail).

Reading List

1. Hussain M., 1992: G*eography of India*, Tata McGraw Hill Education.
2. Mamoria C. B., 1980: *Economic and Commercial* G*eography 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.
1. Nag P. and Sengupta S., 1992: G*eography of India*, Concept Publishing.
2. Pichamuthu C. S., 1967: *Physical Geography of India*, National Book Trust.
3. Sharma T. C. and Coutinho O., 1997: *Economic and Commercial* G*eography of India*, Vikas Publishing.
7. Singh Gopal, 1976: *A* G*eography of India*, Atma Ram.
8. Spate O. H. K. and Learmonth A. T. A., 1967: *India and Pakistan: A General and Regional Geography*, Methuen.
9. Rana, Tejbir Singh, 2015, Diversity of India , R.K. Books, Delhi.

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

Unit	Topic	Total teaching hours: 60
Unit 1	a) Meaning, definitions, components and importance of GIS b) Spatial entities – Point, line and polygon Sources of spatial data- Census, Topographical Maps, c) Aerial Photographs and Satellite Imageries	20
Unit 2	a) Spatial Data Structure - Raster and vector data Structures Linking spatial and non spatial data b) Introduction to MapInfo software	20
Unit 3	a) Creating Database: Scanning and Digitization b) Conversion of Raster to Vector data - Attaching Attribute data c) Creation of thematic maps	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

Discipline Specific Elective Papers (2 Compulsory Papers)

B.A VI Semester DSE-II (Paper – VII)

(For Students admitted in 2017-18 and onwards)
Teaching hours theory 4hrs Practical 4hrs
Credit 4:0:2 Total 6 credits

4. **Geography of Tourism**

Unit I: a) Concepts, Nature and Scope; 12
b) Inter-Relationships of Tourism,
c) Recreation and Leisur Tourism ;
d) Geographical Parameters of Tourism by Robinson.

Unit II: Type of Tourism: Nature Tourism,Cultural Tourism, 14
Medical Tourism, Pilgrimage

Unit III: Recent Trends of Tourism: International and Regional; Domestic (India); Eco- Tourism, Sustainable Tourism, Meetings, Incentives, Conventions and Exhibitions (MICE) 14

Unit IV: Impact of Tourism: Economy; Environment; Society 10

Unit V: Tourism in India: Tourism Infrastructure; Case Studies of Himalaya, Desert and Coastal and Heritage; National Tourism Policy 10

Reading List

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. Chapter 2.
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
4. 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).

VI SEMESTER
Practical Paper – VI
COMPUTER MAPPING AND GPS SURVEYING

Unit	Topic	Total teaching hours: 60
Unit I:	Introduction to Computer: Generation of Computers, Hardware and Software Components	20
Unit II:	Computer graphics: Creating Data base in computer, Creation of Line, Bar and Pie diagrams. Thematic Maps - Choro chromatic and schematic Maps	20
Unit III:	GPS Surveying: Concepts, Segments and applications, Plotting way points by using computer.	20
Unit IV:	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.

Skill Enhancement Course (2 Compulsory Papers)

B.A V Semester SEC –I (Paper – VI)

(For Students admitted in 2017-18 and onwards)
Teaching hours theory 4hrs
Credit 4:0:0 Total 4 credits

1. Regional Planning and Development

Unit I: Concept, Need and Types of Regional Planning. 8

Unit II: Characteristics and Delineation of Planning Region. 10

Unit III: Regionalization of India for Planning (Agro Ecological Zones). 12

Unit IV: Models for Regional Planning: Growth Pole Theory; Core Periphery Model and Growth Foci Concept in Indian Context. 15

Unit V: Backward Regions and Regional Plans- Special Area Development Plans in India; DVC-The Success Story and the Failures; NITI Aayog. 15

Reading List

1. Blij H. J. De, 1971: *Geography: Regions and Concepts*, John Wiley and Sons.
2. Claval P.l, 1998: *An Introduction to Regional Geography*, Blackwell Publishers, Oxford and Massachusetts.
3. Friedmann J. and Alonso W. (1975): *Regional Policy - Readings in Theory and Applications*, MIT Press, Massachusetts.
4. Gore C. G., 1984: *Regions in Question: Space, Development Theory and Regional Policy*, Methuen, London.
5. Gore C. G., Köhler G., Reich U-P. and Ziesemer T., 1996: *Questioning Development; Essays on the Theory, Policies and Practice of Development Intervention*, Metropolis- Verlag, Marburg.
6. Haynes J., 2008: *Development Studies*, Polity Short Introduction Series.
7. Johnson E. A. J., 1970: *The Organization of Space in Developing Countries*, MIT Press, Massachusetts.
8. Peet R., 1999: *Theories of Development*, The Guilford Press, New York.
9. UNDP 2001-04: *Human Development Report*, Oxford University Press.
10. World Bank 2001-05: *World Development Report*, Oxford University Press, New

Skill Enhancement Course (2 Compulsory Papers)

B.A VI Semester SEC- II (Paper – VIII)

(For Students admitted in 2017-18 and onwards)
Teaching hours theory 4hrs
Credit 4:0:0 Total 4 credits

4. Field Techniques and Survey based Project Report

Unit I: Field Work in Geographical Studies
Role, Value and Ethics of Field-Work. 10

Unit II: Defining the Field and Identifying the Case Study –
Rural /Urban /Physical /Human /Environmental. 10

Unit III: Field Techniques – Merits, Demerits
Selection of the Appropriate Technique
Observation (Participant / Non Participant). 12

Unit IV: Questionnaires (Open/ Closed / Structured / Non-Structured)
Interview with Special Focus on Focused Group Discussions
Space Survey (Transects and Quadrants, Constructing a Sketch). 16

Unit V: Designing the Field Report – Aims and Objectives, Methodology,
Analysis, Interpretation and Writing the Report. 12

Practical Record

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

Reading List

1. Creswell J., 1994: *Research Design: Qualitative and Quantitative Approaches* Sage Publications.
2. Dikshit, R. D. 2003. 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, Neela 1993. Participatory Rural Appraisal: Methodology and Application. Concept Publs. Co., New Delhi.
5. Mukherjee, Neela 2002. Participatory Learning and Action: with 100 Field Methods. Concept Publs. Co., New Delhi
6. Robinson A., 1998: "*Thinking Straight and Writing That Way*", in *Writing 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. Special Issue on "Doing Fieldwork" *The Geographical Review* 91:1-2 (2001).
8. Stoddard R. H., 1982: *Field Techniques and Research Methods in Geography*, Kendall/Hunt.
9. Wolcott, H. 1995. The Art of Fieldwork. Alta Mira Press, Walnut Creek, CA.

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. 5x2=10

1)……
2)……
3)……
4)……
5)……
6)……
7)……

Part-B

II. Answer any Six of the following questions. 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)……

Ability enhancement compulsory course (AECC) core module syllabus for Environmental studies for under graduate course of all branches of higher education.

UNIT 1: Environment and natural systems

- Multidisciplinary nature of the Environment studies
- Scope and importance; concept of sustainability and sustainable development.
- Ecosystem: structure and function of ecosystem, energy flow in an ecosystem, types.
- Biodiversity ; genetic, species and ecosystem diversity, hot spots of India, values, threats and types of conservation
- Renewable and Nonrenewable resources, exploitation and conservation: Water, forest, Energy resources.
- Role of Indian and other religions, cultures in environment conservation. **(15 hrs)**

UNIT 2: **Environmental pollution, human communities and environment :**

- Environmental Pollution: Types, causes, effects and controls: Air, water, soil and noise pollution.
- Nuclear hazards and human risks.
- Solid waste management: control measures of urban and industrial waste.
- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture.
- Environment laws: environment protection act; air, water,wildlife,forest.
- Human population growth: impacts on environment, human health and wealth.
- Environmental communication and public awareness, case studies
- (e.g.,CNG vehicles in Delhi). **(15 lec)**

UNIT 3: Field work

Visit to local polluted site-urban/rural/industrial/agricultural. **(2 hrs)**

Reference Books:

1. Textbook of Environmental Studies for Undergraduate Courses by Erach Bharucha Second edition,2013 Publisher: Universities Press (India) Private Ltd, Hyderabad.
2. Basics of Environmental Studies by Prof Dr N S Varandani ,2013 Publisher: LAP -Lambert Academic Publishing , Germany
3. Environmental Studies by Anindita Basak ,2009 Publisher: Drling Kindersley(India)Pvt. Ltd Pearson
4. Textbook of Environmental Studies by Deeksha Dave & S S Kateva , Cengage Publishers.
5. Environmental Sciences by Daniel B Botkin & Edward A Keller Publisher: John Wiley & Sons.
6. Environmental Studies by R. Rajagopalan, Oxford University Press
7. Environmental Studies by Benny Joseph, TMH publishers
8. Environmental Studies by Dr. Suresh K Dhameja, 2007 Published by : S K Kataria & Sons New Delhi
9. Basics of Environmental Studies by U K Khare, 2011 Published by Tata McGraw Hill.
10. Environmental Studies by N.Arumugam & V.Kumaresan, saras publication.

ENVIRONMENTAL STUDIES
(AECC CORE MODULE FOR CBCS PROGRAMME)
Scheme of examination

Sl.no	Semester	Paper	Marks for theory	Marks for internal assessment	Total
1	All semesters	Environmental studies	50 Converted for 70%	30	100

Question paper pattern

Sl.no	Types of questions	Marks	No. of questions	Total marks
1	Short notes	**2**	**5**	**10**
2	Medium type	**5**	**2**	**10**
3	Long answers	**10**	**3**	**30**
			Total	**50 marks**

Distribution of Internal assessment

1) **C1-15 marks.**
2) **C2-15 marks.**
   Total-30 marks.

MODEL QUESTION PAPER

COMMON TO ALL SEMESTER

ENVIRONMENTAL STUDIES

TIME: 3hrs **Max marks: 50**

Instructions: Draw neat and labeled diagram wherever necessary.

PART-A

I. Write short notes for any 5of the following: (5X2=10)

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

PART-B

II. Answer any 2 of the following: (2X5=10)

7 ----------
8 ----------
9 ----------
10 ----------

PART –C

III. Answer any 4 of the following: (3X10=30)

11 ----------
12 ----------
13 ----------
14 ----------
15 ----------

Skill Enhancement Course (SECC) (Compulsory Papers)

B.Com. III Semester

(For Students admitted in 2017-18 and onwards)

Teaching hours theory 4hrs

Credit 2:0:0 Total 2 credits

Disaster Management

Max Marks : 50

Unit 1 :- Introductions of Disaster

a) Introductions to Disasters :- Meaning, concepts & Definations, Hazards, Vulnerability and risks
b) Classifications of Disasters, causes and impacts :- Social, Economic, Political, Environmental, health and Psychological
c) Global trends in Disasters.

Unit 2 :- Inter relationship between Disaster and development

Factors offecting Vulnerabilities, differential impacts, impact of Devolopment Projects such as Dams, embankments and change in land-use

Unit 3 :- Disaster Risk Management in India

Hazards and Vulnerability Profile of India components of Disaster Relief :- water, food, sanitation, shetter, health and waste management.

Reference book :-

1. Textbook of Environmental Studies for Undergraduate Courses by Erach Bharucha Second edition,2013 Publisher: Universities Press (India) Private Ltd, Hyderabad.
2. Basics of Environmental Studies by Prof Dr N S Varandani ,2013 Publisher: LAP -Lambert Academic Publishing , Germany
3. Environmental Studies by Anindita Basak ,2009 Publisher: Drling Kindersley(India)Pvt. Ltd Pearson
4. Textbook of Environmental Studies by Deeksha Dave & S S Kateva , Cengage Publishers.
5. Environmental Sciences by Daniel B Botkin & Edward A Keller Publisher: John Wiley & Sons.
6. Environmental Studies by R. Rajagopalan, Oxford University Press
7. Environmental Studies by Benny Joseph, TMH publishers

Skill Enhancement Course (Compulsory Papers)

Disaster Management

B.Com. III Semester
(MODULE FOR CBCS PROGRAMME)
Scheme of examination

Sl.no	Semester	Paper	Marks for theory	Marks for internal assessment	Total
1	III semesters	Disaster Management	50 Converted for 70%	30	100

Question paper pattern

Sl.no	Types of questions	Marks	No. of questions	Total marks
1	Short notes	**2**	**5**	**10**
2	Medium type	**5**	**2**	**10**
3	Long answers	**10**	**3**	**30**
			Total	**50 marks**

Distribution of Internal assessment

3) **C1-15 marks.**
4) **C2-15 marks.**
   Total-30 marks.

MODEL QUESTION PAPER

Disaster Management

TIME:03 hrs **Max marks: 50**

Instructions: Draw neat and labeled diagram wherever necessary.

PART-A

IV. Write short notes for any 5 of the following: (5X2=10)

7. ----------
8. ----------
9. ----------
10. ----------
11. ----------
12. ----------

PART-B

V. Answer any 2 of the following: (2X5=10)

16 ----------
17 ----------
18 ----------
19 ----------

PART –C

VI. Answer any 4 of the following: (3X10=30)

20 ----------
21 ----------
22 ----------
23 ----------
24 ----------