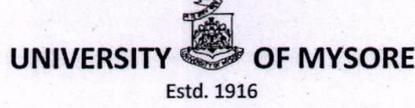


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Vishwavidyanilaya Karyasoudha
Crawford Hall, Mysuru- 570 005
Dated: 15.06.2018

No.AC.2(S)/31/18-19

NOTIFICATION

Sub: Revision of syllabus for Geography (UG) as per CBCS pattern from the academic year 2018-19.

- Ref:** 1. Decision of Board of Studies in Geography (UG) meeting held on 18.03.2018.
2. Decision of the Faculty of Science & Technology Meeting held on 21.04.2018.
3. Decision of the Deans Committee meeting held on 22.05.2018.

The Board of Studies in Geography (UG) which met on 18th March, 2018 has recommended to revise the syllabus for B.Sc. Geography as per CBCS pattern from the academic year 2018-19.

The Faculty of Science and Technology and the Deans committee meetings held on 21-04-2018 and 22-05-2018 respectively have approved the above said proposal with pending ratification of Academic Council and the same is hereby notified.

The CBCS syllabus of B.Sc. Geography course is annexed. The contents may be downloaded from the University Website i.e., www.uni-mysore.ac.in.

Draft approved by the Registrar

M. Y. S. 15/6
Deputy Registrar(Academic)
R *BSS*

To:

1. The Registrar (Evaluation), University of Mysore, Mysore.
2. The Dean, Faculty of Science & Technology, DOS in Physics, Manasagangotri, Mysore.
3. The Chairperson, BOS in Geography, DOS in Geography, Manasagangotri, Mysore.
4. The Chairperson, Department of Studies in Geography, Manasagangotri, Mysore.
5. The Director, College Development Council, Moulya Bhavan, Manasagangotri, Mysore.
6. The Principals of the Affiliated Colleges where UG Program is running in Science stream.
7. The Deputy/Assistant Registrar/Superintendent, AB and EB, UOM, Mysore.
8. The P.A. to the Vice-Chancellor/Registrar/Registrar (Evaluation), UOM, Mysore.
9. Office file.

PROFORMA OF INSTRUCTION AND EXAMINATION

UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (CBCSS) AND CONTINUOUS ASSESSMENT GRADING PATTERN (CAGP) OF THE OPTIONAL SUBJECT GEOGRAPHY B.A/B.SC. PROGRAMME

Duration of the Course: 3 Years (6 Semesters)

Semester	Course	Title of the Paper	Instruction Hrs (L:T:P) /Week	Credit	Duration of Exam (Hrs.)	Marks		Total Marks
						I A (C1 + C2)	Final Exam (C3)	
I	DSC-1A -Theory	Physical Geography	4:0:0	4	3	10+10	80	100
	DSC-1A - Practical	Maps &Scale, Representation of relief features & Meteorological Instruments	0:0:4	2	3	05+05	40	50
II	DSC-2B- Theory	Human Geography	4:0:0	4	3	10+10	80	100
	DSC-2B -Practical	Map Projection	0:0:4	2	3	05+05	40	50
III	DSC-3C- Theory	Regional Geography of the World	4:0:0	4	3	10+10	80	100
	DSC-3C- Practical	Cartograms & Distribution Maps	0:0:4	2	3	05+05	40	50
IV	DSC-4D- Theory	Geography of India	4:0:0	4	3	10+10	80	100
	DSC-4D -Practical	Basic Statistics	0:0:4	2	3	05+05	40	50
DISCIPLINE SPECIFIC ELECTIVE PAPERS DSE-1 & DSE-2 (Choose Any One)								
V	DSE-1- Theory	Economic Geography	4:0:0	4	3	10+10	80	100
	DSE-1a- Theory	Settlements Geography	4:0:0	4	3	10+10	80	100
	DSE-1b- Theory	Tourism geography	4:0:0	4	3	10+10	80	100
	DSE-1- Practical	Interpretation of topographical maps & Indian daily weather report	0:0:4	2	3	05+05	40	50
VI	DSE-2- Theory	Environmental Geography	4:0:0	4	3	10+10	80	100
	DSE-2a- Theory	Regional Geography of Karnataka	4:0:0	4	3	10+10	80	100
	DSE-2b- Theory	Population & Political Geography	4:0:0	4	3	10+10	80	100
	DSE-2- Practical	Surveying and Fundamentals of GIS	0:0:4	2	3	05+05	40	50
SKILL ENHANCEMENT COURSE (SEC) (Compulsory paper)								
III	SEC- 1 PAPER	Regional Planning &Development	2:0:0	2	3	05+05	40	50
IV	SEC- 2 PAPER	Field Techniques & Survey based Project Report	2:0:0	2	3	05+05	40	50
GENERIC ELECTIVE								
V	GE-1	Introduction to Physical Geography	2:0:0	2	3	05+05	40	50
	GE-2	Regional Geography of the World	2:0:0	2	3	05+05	40	50
VI	GE-3	Introduction to human Geography	2:0:0	2	3	05+05	40	50
	GE-4	Regional Geography of India	2:0:0	2	3	05+05	40	50

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

(For Students admitted in 2017-18 and onwards) Teaching hours : 8hrs (theory 4hrs + Practical 4hrs)

Credit 4:0:2 Total 6 credits

Title of the Paper: Physical Geography

60 Hrs lectures

Unit 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	
Unit 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	
Unit 3. Geomorphic agents and processes of Denudation	10
a) i) River ii) Glacier iii) Underground water iv) wind	
Unit 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.	
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.
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-Semester, Practical Paper – I

Maps & Scale, Representation of Relief features & Meteorological Instruments

Unit	Topic	Total Teaching Hours: 60
1.	Maps: definition, types and importance of maps-characteristics features of maps. Scales- definition and types, conversion of statements into RF and RF in to statement. Construction of graphical scales – linear and diagonal. Enlargement and reduction of maps: square and triangular method. Latitudes and longitudes- Longitude and time – local, standard and Greenwich- time zones- Calculation of time- International Date Line	
2.	Relief features – Introduction, methods of relief representation- pictorial – Mathematical and composite methods. Contours – characteristics – contour diagrams representing- Uniform, Undulating, Concave, Convex slopes. Contours diagrams representing following relief features- Conical hill, saddle, hill, plateau, ridges, escarpment, spur, knoll, gorge, 'V' shaped valley, U shaped valley, hanging valley, rapids and water falls.	
	Meteorological Instruments- Functions and uses- Centigrade & Fahrenheit Thermometer, Maximum and Minimum thermometer, Hygrometer, Mercury barometer, Aneroid Barometer, Wind vane, Cup Anemometer, Rain gauge	

References:

1. Gopal Singh **Map Work and Practical Geography**, III ed, Vikas Publishing House, New Delhi,
2. Gupta K.K and Tyagi V.C **Working with maps**, Survey of India, Department of Science 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.
5. Mishra R.P : **Fundamentals of Cartography**, 1969, Prasaraanga, 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.

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

(For Students admitted in 2017-18 and onwards) Teaching hours : 8hrs (theory 4hrs + Practical 4hrs)
Credit 4:0:2 Total 6 credits

Title of the Paper: Human Geography

60 Hrs lectures

1. Definition – field and scope of human Geography. Branches and Importance of Human Geography.
Development of human geography- contributions of Germans, French and Americans.
- 2 Conceptual approaches to the study of man – Environment Relationship- Environmental determinism, Possibilism, Probabalism , Revival of Environmental determinism.
3. Global cultural diversities- Culture- diffusion of culture .Hager strand theory of diffusion -Race Religion, Language, Political systems, Global patterns of tribes .
4. Cultural realms of the world – Study of major realms with reference to ecology, economy and culture.
5. Population Composition- Age Structure, Sex Ratio, Literacy rate

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 & Vining Human Geography, People, Cultures and Landscapes,1995.
5. Peter Daniels, Michael Bradshaw Denis Shaw, James Sidaway : Human Geography, Issues for the 21 st Century , Pearson 2003.
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.

II SEMESTER
Practical Paper – II

Title of the Paper - Map projections

1. Map projections – Definition, Classification and importance.
2. Cylindrical projection – Simple cylindrical,
Cylindrical equal area ,
Mercator's projections .
3. Conical projections - Simple conical projections,
Conical projection with the standard parallels,
Bonne's projection,
Polyconic projection .
4. Zenithal projections – polar case, Zenithal equidistant equal area,
Zenithal gnomonic ,
Zenithal stereographic,
Zenithal orthographic.
5. Conventional projections – Sinusoidal projection,
Mollweids projection.
6. Choice of map projections and uses.

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 III Semester Core Course (Paper – III)

(For Students admitted in 2017-18 and onwards), Teaching hours: 8hrs (theory 4hrs + Practical 4hrs)
Credit 4:0:2 Total 6 credits

Title of the Paper: Regional Geography of the World (Credits - 4)

60 Hrs lectures.

1. Distribution of major land forms -Mountain, plains and plateaux-Rivers of the world -Natural vegetation , types and distribution- soils types and distribution.
2. Natural regions of the world- classification - A detail study of equatorial, monsoon, deserts, grasslands and tundra regions.
3. Mineral and power resources -Production and distribution and trade of Iron ore, manganese, gold, coal, petroleum, Natural gas.
4. Transportation, Roads, Railways and Ocean routes. Complementary and computation among nodes of transport. Hoover's transport cost theory.

References:

1. Heintzelman and High Smith: World Regional Geography. Prentice Hall, New 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, Cheethana Publication, Mysore
- 4 Ranganath; Regional Geography of the world , Vidyanidhi,Gadag,2009.

III SEMESTER

Practical Paper – III

Cartograms, and Distribution Maps

Unit Topic Total teaching hours: 60

1. Significance and use of cartograms in geography
2. Line graphs- single, and poly graphs
3. Bar graphs- single and multiple bars (Both vertical and horizontal)
Compound bar, pyramid graphs
4. Climograph, hythergraph, Ergo graph
5. Proportionate circles - sector/ wheel diagram
6. Thematic mapping – Choropleth method, Dot method, Choroschematic, Chorocromatic, and isopleth
7. Distribution of map-

References:

- 1) Gopal Singh Map Work and Practical Geography, III ed, Vikas Publishing House, New Delhi,
- 2) Mishra R.P : Fundamentals of Cartography, 1969, Prasaranga University of Mysore, Mysore.
- 3) Monkhouse F.J and Maps and Diagrams
- 4) Wilkinson H.R: Mathuen and Co, Ltd., London, 1952.
- 5) Raisz E General Cartography, 1948. Tata-MC-Graw Hill, New York
- 6) Robinson .H Elements of Cartography, John Wiley, London. 1963.
- 7) .Singh. R.L. Elements of Practical Geography
Kalyani Publishers, New Delhi, 1979.
- 8) Singh.L. R Practical Geography, Sharada Pustak Bhavan, Allahabad, 2008

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

(For Students admitted in 2017-18 and onwards)Teaching hours : 8hrs (theory 4hrs + Practical 4hrs)

Credit 4:0:2 Total 6 credits

Title of the Paper: Regional Geography of India (Credits - 4)

60 Hrs lectures

1. Location, size and extent- political divisions, Relief features- Drainage system- climate, 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.
2. Irrigation and agriculture:Irrigation- types, multipurpose projects – DVC, Bhakra naganal, Alamatti- river valley projects . Agricultural crops- production and distribution of rice, wheat , cotton , sugar cane and tea.Development of agriculture- green revolution and white revolution.
3. Mineral and power resources-Significance, production and distribution of Iron ore, Mica, Bauxite, Coal Petroleum, Electricity- Thermal, Hydro, Atomic. Major industries- iron and steel, cotton textile, sugar, paper,major industrial regions of India
4. Population – Growth, Distribution and Density, composition and problems - Urbanization - Trends and Patterns.
5. Transportation Network- roads, railways, water ways, airways. Trade - Inter and International .Tourism -types.

References:

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. Ranjit Thirtha : 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

IV SEMESTER,

Practical Paper – IV

Practical- Basic Statistics

Unit Topic Total teaching hours: 60

1. Statistics- meanings, importance and limitations- sources of data- primary and secondary. Sampling- meaning and types of sampling.Measures of central tendency – mean, median, mode, direct and short cut methods for individual discrete and grouped data. Measures of dispersion -mean deviation, Quartile deviation and standard deviation.
2. Measures of Relative dispersions, Co-efficient of Mean Deviations, Co-efficient of Variations, Time series Analysis, Index Numbers. Correlation Analysis – characteristics and types , Correlation .Coefficient for grouped and ungrouped data.Regression Analysis – meaning and types, uses of Regression, Regression lines and Regression equations, Computation of Regression equations.

References:

- 1.Singh. R.L. : **Elements of Practical Geography**, Kalyani Publishers,New Delhi, 19791. ...
2. Gopal Singh : **Map Work and Practical Geography**, III ed, Vikas, Publishing House, New Delhi,
3. Mishra R.P : **Fundamentals of Cartography**,1969, Prasaranga,University of Mysore, Mysore.
4. Zamir Alvi : **Statistical Geography, Methods and Applications**, Rawat Publications, Jaipur 1995.

Discipline Specific Elective Papers (3 Compulsory Papers)

B.A: V -Semester DSE-I (Paper – I)

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

Title of the Paper: Economic Geography (credits - 4)

1. Economic geography – definition, field and approaches, Evolution of economic geography

2. Resources – Concept – characteristics – classification- conservation and management.

3. Agricultural and allied activities

Agricultural types – agricultural regions – von thunens agricultural location theory
Crops – Rice and wheat, Cotton and sugar cane, Coffee and tea, Fishing and animal resources.

4. Industries- factors of location – webers theory, Losch theory, Industrial regions of the world, International trade – basis, pattern and trends.

References:

1. Alexander and Hartshorne : Economic Geography Prentice-Hall, III ed. 2000.
2. Guha and Chattoraj : A New approach to Economic Geography.
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. Ranganath : A Geography of Industrial Resources, Vidyanidhi Prakashna Gadag 2001.

Discipline Specific Elective Papers (3 Compulsory Papers)

B.A V Semester DSE-2 (Paper – II)

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

Title of the Paper: Settlement Geography (credits - 4)

1. Meanings of settlements and types – rural settlements – classifications based on site, situation, shape and features.
2. Housing types; evolution of dwellings, housings, types based on Materials, roofs with Indian examples
3. Urban settlements – Definition, Location and situation, Hierarchy- Rank - size rule. Primate city concepts, Central place theory of Chris taller
4. Structure of urban centers - Concentric theory, Sector theory , Multiple nuclei theory

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 & Vining: Human Geography, People, Cultures and Landscapes, 1995.
5. Peter Daniels, Michael Bradshaw Denis Shaw, James Sidaway: Human Geography, Issues for the 21st Century , Pearson 2003.
6. Norris and Haring : Political Geography, Charles. E. Merrill 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.
9. Singh. R.Y : Geography of Settlements, Rawat, New Delhi, 2007.
10. Harold Carter: The study of Urban Geography, 1982

Discipline Specific Elective Papers (3 Compulsory Papers)

B.A V Semester DSE-3 (Paper –III)

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

Title of the Paper: Geography of Tourism (credits - 4)

1. Origin, development and significances of tourism -Factors influencing Tourism
2. Types of tourists- domestic and foreign
3. Tourism infrastructure- Transportation, communication, resorts, hotels
4. Tourism planning and development, Marketing advertisement -hospitality - associated problems, Accommodation, accessibility and resources, Financial problem and resources.

References :

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

V SEMESTER
Practical Paper – V

Practical - Interpretation of Topographical Maps

Unit Topic Total teaching hours: 60

1. Topographical maps – Importance, types of SOI topographical maps based on scale.
2. Conventional symbols – meaning – importance, conventional symbols of physical and cultural phenomena.
3. Marginal features of the topographical maps.

4. Interpretation of the topographical maps under the following heads
 - i) Relief features
 - ii) Drainage pattern
 - iii) Natural vegetation and land use
 - iv) Settlements, Transportation and other cultural features.
5. Conventional symbols of weather maps

6. 4. Interpretation of Indian weather reports of –
 Rainy season
 Winter season,
 Summer season (Any two seasons)

References:

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 V.C: **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**
6. Wilkinson H.R: Mathuen and Co, Ltd., London, 1952.
6. D.R.Khullar : Essentials of Practical Geography., New Academic Publishing, Mai Hiran Gate, Jalandhar

,2003

Discipline Specific Elective Papers (3 Compulsory Papers)

B.A VI Semester DSE-I (Paper – IV)

(For Students admitted in 2017-18 and onwards)Teaching hours theory 4hrs Practical 4hrs

Credit 4:0:2 Total 6 credits

Title of the Paper: Environmental Geography (credits - 4)

1. Meaning and components of environment- field and scope of environmental geography – Interdisciplinary nature of environmental geography
2. Ecosystem – Types – functions, energy flow, ecological pyramids,- Bio Geo Chemical cycles.
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
4. Conservation and management of environment -role of international and national polices- role of UNO .Rio summit declarations. Kyoto Declarations. Koppen Hagen summits,

REFERENCES:

1. Agarwal K.C : Environmental Biology, Nidhi publishers Ltd, 2001, Bikaner
2. Chaurasia B.P : Environmental Pollution Consequences and measures
2. Mathur H.S : Environmental Resources; The crisis of Development
3. Odum E.P : Fundamentals of Ecology, WB Saunders Co, London, 1971
4. Saxena H.M : Environmental Geography Rawat, Publications, Jaipur, 1999
5. Sharma P.D : Ecology and Environment Rastogi Publications, New Delhi, 1999
6. Strahler and Strahler : Geography and Mans Environment, John Weily, New York 1986
7. Heywood V.H & Watson RT, Global Biodiversity Assessment OUP, 1995
8. Dash M.C : Fundamentals of Ecology, Tata McGraw Hill New Delhi 2002.

Discipline Specific Elective Papers (3 Compulsory Papers)

B.A VI Semester DSE-2 (Paper – V)

(For Students admitted in 2017-18 and onwards) Teaching hours theory 4hrs Practical 4hrs

Credit 4:0:2 Total 6 credits

Title of the Paper: Regional Geography of Karnataka (credits - 4)

1. Physical setting - location, size and extent- relief features – Climate, Rivers, Soils and vegetation.
2. Major rivers valley projects of Karnataka in the Krishna and Cauvery River basins. Major agricultural regions – Major crops- Dairy farming.
3. Minerals and Industries – Silk, Sugar, Software Industries
4. Population- growth and Density, sex- ratio- Urbanization, trends and patterns.
5. Transportation -Patterns of Road and Railways- Ports and Harbors Major tourist centers

References:

1. Karnataka State Gazetteer, 2 Volumes-
2. Mallappa : Geography of Karnataka (Kan.Ver)
3. Misra R.P : Geography of Mysore State
4. NBK Reddy and Murthy G.S : Regional Geography of Mysore State
- 5 Ranganath; Regional Geography of Karnataka, Mysore Book House, Mysore, 2010

Discipline Specific Elective Papers (3 Compulsory Papers)

B.A VI Semester DSE-3 (Paper – VI)

(For Students admitted in 2017-18 and onwards) Teaching hours theory 4hrs Practical 4hrs

Credit 4:0:2 Total 6 credits

Title of the Paper: Population and political geography (Credits - 4)

1. Population geography – evolution, nature, and scope. Approaches – sources of population data.
2. Population growth – Distribution, Density and Demographic Cycle migration – causes – types and consequences
3. Population composition - literacy, age structure, sex-ratio, life expectancy, Rural – urban occupation
4. Elements of political geography – state and nature, frontiers, boundaries
And buffer zones – heart land and rim land theory

References:

1. Norris and Haring : Political Geography, Charles. E. Merrill 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 ; Population Geography, Rawat, New Delhi - 2008
Izhar Hassan
6. Sudeepta Adhikari; Political Geography of India, Sharada, Allahabad, U.P.

VI SEMESTER
Practical Paper – VI
Surveying and Fundamentals of GIS

Unit Topic Total teaching hours: 60

1. Surveying – meaning – importance – and types of surveying
2. plane table surveying – Radiation and intersection
3. prismatic compass surveying – Radiation and intersection
4. chain surveying – types of chains- triangulation

5. GIS- meaning, components of GIS, spatial data entities – point, line, polygon – Source of spatial data – Topographical maps, Aerial Photographs Satellite imageries

6. Spatial data structure and management - Vector data structure, Raster data structure, Creating database.

7. Creating maps – digitization – creating database, creating thematic maps – map furniture's.

References:

1. Singh. R.L: **Elements of Practical Geography**, Kalyani Publishers, New Delhi, 1979, 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, Alahabad 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 – Chang : Introduction to Geographic Information Systems, Tata 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- 2007, Smitha Gupta
11. Siddiqui. M.A : Introduction to Geographical Information, Systems, Sharada, Allahabad - 2009

Skill Enhancement Course (2 Compulsory Papers)

B.A III- Semester SEC –1 (Paper – I)

(For Students admitted in 2017-18 and onwards) Teaching hours theory 4hrs

Credit 4:0:0 Total 2 credits

Title of the paper- Regional Planning and Development

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|--|----|
| 1. Concept, Need and Types of Regional Planning. | 8 |
| 2.Characteristics and Delineation of Planning Region. | 10 |
| 3.Regionalization of India for Planning (Agro Ecological Zones). | 12 |
| 4.Models for Regional Planning: Growth Pole Theory; Core Periphery Model and Growth Foci Concept in Indian Context. | 15 |
| 5. 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.I, 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 IV- Semester SEC- 2 (Paper – II)

(For Students admitted in 2017-18 and onwards)Teaching hours theory 4hrs

Credit 4:0:0 Total 2 credits

Field Techniques and Survey based Project Report

1. Field Work in Geographical Studies – Role, Value and Ethics of Field-Work. 10
2. Defining the Field and Identifying the Case Study – Rural /Urban /Physical /Human /Environmental. 10
3. Field Techniques – Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non Participant). 12
4. Questionnaires (Open/ Closed / Structured / Non-Structured); Interview with Special Focus on Focused Group Discussions; Space Survey (Transects and Quadrants, Constructing a Sketch). 16
5. 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 Pubs. Co., New Delhi.
5. Mukherjee, Neela 2002. *Participatory Learning and Action: with 100, Field Methods*. Concept Pubs. 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.

Generic Elective (2 Compulsory Papers)

B.A V- Semester GE- 1 (Paper – I)

(For Students admitted in 2017-18 and onwards)Teaching hours theory 4hrs

Credit 2:0:0 Total 2 credits

Title of the Paper: Introduction to physical geography (Credits - 2)

1. Geography – Divisions – physical geography - field and scope. Solar system – movements of the earth and effects. Rocks and their types.
2. Weathering and denudation – elements and factors
3. Atmospheric weather and climate: temperature and pressure, Winds and their types
4. Hydrosphere – ocean currents – temperature and salinity, Islands

References:

1. Dasagupta and Kapoor: Principles of Physical Geography, S.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-1998.

Generic Elective (2 Compulsory Papers)

B.A V- Semester GE- 2 (Paper – 2)

(For Students admitted in 2017-18 and onwards)Teaching hours theory 4hrs

Credit 2:0:0 Total 2 credits

Title of the Paper: Regional Geography of the world (Credits - 2)

1. Political division of the world- Continents- Oceans- Seas –Rivers

2. Natural regions of the world desimil classification. Major regions with reference to location. Extent places, climatic, vegetation, animal life and human activities

With reference to

i) Equatorial monsoon meditarian grassland, hot and cold deserts, tundra regions.

3. Economic activities -agricultural types - Mines- iron ,Power resources- coal, and petroleum. Industry, locations factors industrial regions

4. Population patterns of distribution -Transportation - continental railways, ocean routes.

References:

1. Heintzelman and High Smith: World Regional Geography. Prentice Hall, New Delhi 1965.

2. Husain .M : World Geography, Rawat, Jaipur, 2004.

3. Tikka, Bali, Sekhon : World Regional Geography, New Academic Publishing Company, Jalandhar, 2002.

4. Ranganath : Regional Geography of world, Vidyanidhi, Gadag, 2009.

5.Ranganath : Principles of Human Geography, Vidyanidhi, Gadag, 2008.

6. Hartshorn.T.A and : Economic Geography, PHI, NewDelhi-2009, Alexander. J.W :

Generic Elective (2 Compulsory Papers)

B.A VI- Semester GE- 3 (Paper – 3)

(For Students admitted in 2017-18 and onwards)Teaching hours theory 4hrs

Credit 2:0:0 Total 2 credits

Title of the Paper: Introduction to Human Geography (Credits 2)

1. Meaning and scope of human geography, Approaches of man – environment relationship, Environmental determinism, possibilism
2. Culture and cultural diversion –Race, Religion, Language
3. Major primitive tribal of the world – Eskimos ,khirghis, Todas, Bushman
4. Population – growth – demographic cycle – migrations causes and effects

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, Michael Bradshaw, Denis Shaw, James Sidaway: Human Geography, Issues for the 21 st Century , Pearson 2003.
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.

Generic Elective (2 Compulsory Papers)

B.A VI- Semester GE- 4 (Paper – 4)

(For Students admitted in 2017-18 and onwards)Teaching hours theory 4hrs

Credit 2:0:0 Total 2 credits

Title of the Paper: Regional Geography of India (Credits - 2)

1. Location and extent, physical features, rivers, climate, soils, natural vegetation
2. Population – growth, diversity, distribution,
3. Economy – Agricultural – major crops- minerals resources, Power resources- coal –petroleum, Electricity.
4. Industries – industrial regions – Iron and steel, cotton textiles, Fertilizers- cement

References:

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. Ranjit Thirtha : 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 2 ed. 2003.

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