

CBCS Syllabus for Geography

Sem	Course	Subject	Credits	LTP
I	DSC-1A	Physical Geography	6 Credits	4 + 0 +2
II	DSC-2B	Human Geography	6 Credits	4 + 0 +2
III	DSC-3C	Regional Geography of the World	6 Credits	4 + 0 +2
IV	DSC-4D	Geography of India	6 Credits	4 + 0 +2
V	DSE-1.A	Economic Geography	8 Credits	4 + 0 + 0
	GE-1	Introduction to Physical Geography		2 + 0 + 0
VI	DSE-2.B	Regional Geography of Karnataka	8 Credits	4 + 0 + 0
	GE-4	Regional Geography of India		2 + 0 + 0

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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 *BS*

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.

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.

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

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 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

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 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.

H. NAGARAJ
CHAIRMAN, BOS (PG & UG)