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www.uni-mysore.ac.in

UNIVERSITY OF MYSORE

Established: 1916

Vishwavidyanilaya Karyasoudha,
Crawford Hall, Mysore-570 005.

No.AC.2(S)/151/2021-22

Dated: 18.08.2021

NOTIFICATION

Sub: Revision of Syllabus for BA/B.Sc Geography (UG) Programme and recommended to implement it from the Academic Year 2021-22.

Ref: 1. Decision of Board of Studies in Geography (UG) meeting held on 10.12.2020.
2. Decision of the Faculty of Science & Technology Meeting held on 08.02.2021.
3. Decision of Academic Council meeting held on 07.04.2021.

*****

The Board of Studies in Geography (UG) which met on 10.12.2020 has thoroughly reviewed the current syllabus and members have unanimously recommended for the revision of syllabus considering some of the lacunas in the current syllabus and the board has approved the modified syllabus for BA/B.Sc Geography Programme and recommended to implement it from the academic year 2021-22 (Annexure-1 abstract old and the new Syllabus and Annexure-2 Modified Syllabus).

The Faculty of Science and Technology and Academic Council meeting held on 08.02.2021 and 07.04.2021 respectively have approved the above said proposal and the same is hereby notified.

The Modified Syllabus for BA/B.Sc Geography (UG) programs is annexed. The contents may be downloaded **from the University Website i.e., www.uni-mysore.ac.in**.

DRAFT APPROVED BY THE REGISTRAR

18/8

DEPUTY REGISTRAR (ACADEMIC)

Deputy Registrar (Academic)
University of Mysore
Mysore-570 005

To:

1. The Registrar (Evaluation), University of Mysore, Mysore.
2. The Dean, Faculty of Science & Technology, DOS in Psychology, MGM.
3. The Chairperson, BOS in Geography (UG), DOS in Geography (UG), Manasagangotri, Mysore.
4. The Chairman, DOS in Geography (UG), Manasagangotri, Mysore.
5. The Deputy/Assistant Registrar/Superintendent, AB and EB, UOM, Mysore.
6. The P.A. to the Vice-Chancellor/Registrar/Registrar (Evaluation), UOM, Mysore.
7. Office file.

UNIVERSITY OF MYSORE

Department of Studies in Geography

Manasagangothri, Mysore-570 006

Semester System and Choice Based Credit System
(Continuous Assessment and Grading Pattern) (CAGP)

Bachelor (B.A/B.Sc) of studies in Geography

Revised Syllabus for 2021-22

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) (To be implement from2021-22)

Semesters	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	Fundamentals of Physical Geography	4:0:0	4	3	10+10	80	100
	DSC-1A - Practical	Maps & Scale, Representation of relief features	0:0:4	2	3	05+05	40	50
II	DSC-2B- Theory	Principles of Atmosphere and Hydrosphere	4:0:0	4	3	10+10	80	100
	DSC-2B –Practical	Meteorological Instruments and Analysis of Indian Daily Weather Reports	0:0:4	2	3	05+05	40	50
III	DSC-3C- Theory	Human and Regional Geography of the World	4:0:0	4	3	10+10	80	100
	DSC-3C- Practical	Introduction to Map Projection	0:0:4	2	3	05+05	40	50
IV	DSC-4D- Theory	Regional Geography of India	4:0:0	4	3	10+10	80	100
	DSC-4D –Practical	Cartograms and Basic Statistics in Geography	0:0:4	2	3	05+05	40	50
DISCIPLINE SPECIFIC ELECTIVE PAPERS DSE-1 (Choose Any One Theory out of three courses, Practical is compulsory)								
V	DSE-1- Theory	Economic Geography of the world	4:0:0	4	3	10+10	80	100
	DSE-1a- Theory	Settlement Geography	4:0:0	4	3	10+10	80	100
	DSE-1b- Theory	Geography of Tourism	4:0:0	4	3	10+10	80	100
	DSE-1- Practical (Compulsory)	Interpretation of topographical maps	0:0:4	2	3	05+05	40	50
DISCIPLINE SPECIFIC ELECTIVE PAPERS DSE-2 (Choose Any One Theory out of three courses, Practical is compulsory)								
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 (Compulsory)	Surveying and Fundamentals of GIS	0:0:4	2	3	05+05	40	50
SKILL ENHANCEMENT COURSE (SEC) (Compulsory paper)								

III	SEC- 1 PAPER	Not Applicable	2:0:0	2	3	05+05	40	50
IV	SEC- 2 PAPER	Not Applicable	2:0:0	2	3	05+05	40	50
GENERIC ELECTIVE (Offered by the Department/ /College to other students)								
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

I Semester

(For Students admitted in 2021-22 onwards, Teaching hours theory 4hrs, Credit 4:0:0 Total 4 credits)

DSC-1A - Theory: Fundamentals of Physical Geography 60 Hrs lectures

Unit -1: Physical Geography: 12

a)Meaning, Definition, Field, Nature and Scope, Components of Earth System – Lithosphere, Atmosphere, Hydrosphere and Biosphere

b) Theories on origin of the Earth: Nebular and Tidal theories.

c) Structure and Composition of the earth-Lithosphere, Pyrosphere and Barysphere

Unit -2. Structure of the earth and Distribution of Land and Water body: 12

a) Structure and Composition of the earth-Lithosphere, Pyrosphere and Barysphere

b) Distribution of land and water bodies:

c) Wegner's Theory of Continental Drift

d) Plate Tectonics Theory

Unit -3. Geomorphic process 12

a) Endogenitic and Exogenic Processes

b) Crustal Movements –Types-Vertical Movements and Horizontal Movements

c) Folds, Faults and Joints.

d) Earthquakes and Volcanoes-Causes, Types and Distribution

Unit- 4 : Denudation process 12

a) Concept of Denudation Weathering: The Process of Weathering – Meaning and Types- Physical, Chemical And Biological Weathering,

b)Mass Movements (Mass Wasting)

c) Rocks - Formation - Classification – Igneous Sedimentary and Metamorphic Rocks

Unit-5. Erosion and Depositional process and Land forms 12

a) i) River ii) Glacier iii) Underground water iv) wind

Landforms – Mountains, Plateau and Plains –Meaning-Origin-Types and Importance

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,
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.

DSC-1-A Practical: Maps & Scale, Representation of Relief features

(For Students admitted in 2021-22 onwards, Teaching hours Practical 4 hrs, Credit 0:0:4 Total 2 credits)

64 Hrs lectures

UNIT: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. 16

UNIT-2: Enlargement and reduction of maps:

square and triangular method. Latitudes and longitudes- Longitude and time, local, standard and Greenwich time, Time zones - Calculation of time- International Date Line. 16

UNIT-3: Representation of Relief features-

Introduction, methods of relief representation- Hachure's, Contours, Form lines, Contours - characteristics - contour diagrams – Slopes: Uniform, Undulating, Concave, Convex slopes. 16

UNIT-4: Representation of Relief features by Contours:

Conical hill, saddle, plateau, ridges, escarpment, spur, knoll, gorge, 'V' shaped valley, 'U' shaped valley, hanging valley, rapids and waterfalls. (Students are expected to identify these features from the topographical Maps 16

References:

1. Gopal Singh - Map work and Practical Geography , III edVikas Publishing House,New Delhi,
2. Gupta K.K and TyagiV.C - Working with Maps, Survey ofIndia 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,Johnwiley, New York
5. Mishra R.P : Fundamentals of Cartography, 1969, prasaranga, University of Mysore , Mysore
6. Monkhouse F.J - **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. **Dr.** Ranganath – An Introduction to practical Geography, part – I Kannada version, Vidhyanidhi publication, Gadag – 582101,Karnataka
10. Singh. R.L - E**.lements of Practical Geography,** Kalyani Publishers,New Delhi, 1979.

II Semester

(For Students admitted in 2021-22 onwards teaching hours' theory 4hrs Credit 4:0:0 Total 4 credits)

DSC-2B-Theory: Principles of Atmosphere and Hydrosphere 64 Hrs lectures

Unit -1. Atmosphere 16

a). Meaning, structure and composition

b). Weather and Climate – Meaning, influencing factors of Weather and Climate

c). Insolation– Heating and cooling of Atmosphere, Heat budget, factors influencing on temperature distribution.

Unit – 2. Atmospheric Pressure and wind system – 16

a).Vertical and Horizontal distribution of pressure.

b) Factors affecting on pressure,

c). Pressure belts of the World

d). Factors affecting- Pressure gradient, frictional force, Coriolis force, Types of winds – Planetary Winds, Seasonal winds, Local and Variable winds – with special reference to Tropical Cyclones

Unit 3. **Humidity and Clouds 16**

a). Water vapour (Humidity),– Absolute Humidity, Relative Humidity, Evaporation and condensation

b).Clouds – Classification of Clouds- Cirrus, Cumulus, status, Nimbus.

c). Rainfall – Types of Rainfall-convectional, orographic, cyclonic.

Unit -4. Hydrosphere 16

a). Relief features of the ocean floor – Continental Shelf, Continental slope, Ocean floor and ocean Deeps – ocean Deposits

b). Temperature and Salinity of ocean water – Influencing factors of Temperature and Salinity of ocean water

c). ocean Currents – Causes for the origin,- Types of ocean currents.- Currents of Pacific and Indian Ocean.

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.B.N Tikka Physical GeographySavindra Singh Physical Geography.

II SEMESTER

DSC2B-Practical: Meteorological Instruments and Analysis of Indian Daily Weather Reports
(For Students admitted in 2021-22 onwards Teaching hours Practicals 4hrs , Credit 0:0:4 Total 2 credits)

Teaching : 64 hours

Unit -1. Meteorological Instruments- Functions and uses- Centigrade & Fahrenheit Thermometer, Maximum and Minimum thermometer, Hygrometer, Mercury barometer, Aneroid Barometer, Wind vane, Cup Anemometer, Rain gauge. 16

Unit-2. **Indian weather reports**:
conventional symbols of weather maps, Interpretation of Indian weather reports
a) Distribution of Atmospheric Pressure,
b) Distribution of Temperature,
c) Characteristics of Clouds, wind, Precipitation and Sea condition. 16

Unit-3: Analysis of Departure of Max.and Minimum Temperature from Normal.
(Interpretation shall be made for at least two seasons Rainy season, Winter season, Summer season) and weather forecasting. 16

Unit- 4.Climatic data and graphical representation
Combined line and bar graph, Climograph, hythergraph, Ergo graph, wind rose diagram. 16

References:

1. Singh. R.L.: **Elements of Practical Geography,** KalyaniPublishers,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. L.R.Singh. Fundamentals of Practical Geography,2005, Sharada Pustak Bhavan, Allahabad.

III Semester

DSC-3C- Human and Regional Geography of the World

(For Students admitted in 2021-22 onwards Teaching hours theory 4hrs , Credit 4:0:0 Total 4 credits)

64 Hrs lectures

Part -1.Human Geography

Unit1.A. Definition- field and scope of human Geography. Branches and Importance of Human Geography.Development of human geography-

B. Conceptual approaches to the study of man Environment Relationship- Environmental determinism, Possibilism, Probabalism , 16

Unit 2. Global cultural diversities- Culture- diffusion of culture.- Race, Religion, Language, Major primitive tribes of the world with reference to the habitat, ethnicity, economy and society (Pygmies, Bushman, Eskimos) . 16

Part – 2. Regional Geography of the World

Unit 3. Distribution of major land forms -Mountain, plains and plateaux-Rivers of the world - Natural vegetation, types and distribution- soils types and distribution. 16

Unit 4. A). Natural regions of the world- classification - A detailed study of equatorial, monsoon, Tropical deserts, grasslands and tundra regions.

B). world Population- Distribution, Growth and composition-Age composition, Sex composition, 16

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. Dr. Ranganath: Principles of Human Geography (Kan. Ver.) Vidyanidhi, Gadag, 2002.
8. Rubenstein J.M: An Introduction to Human Geography, Macmillan Publishing Company 1992.

DSC-3C-Practical: Introduction to Map Projections

For Students admitted in 2021-22 onwards Teaching hours Practicals 4hrs , Credit 0:0:4 Total 2 credits)

64 Hrs lectures

Unit-1: Map projections: Meaning and purpose, Classification and importance. 16

Unit 2: Cylindrical projection Simple cylindrical,Cylindrical equal area , Mercator's Projection. 16

Unit 3: Conical projections- Simple conical projections, Conical projection with one and two standard parallels, Bonne's Projection, Poly conic projection . 16

Unit 4: Zenithal projections polar case, Zenithal equidistant equal area, Zenithal gnomonic ,Zenithal stereographic, Zenithal orthographic. Choice of map projections and uses. 16

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

References:

1. SalarMassod. 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 RL : Elements of Practical Geography, Student's Friends, Allahbad.
5. George P Kellaway: Met huen& Co. , Ltd., London.
6. Gopal Singh Map work & Practical Geography, Surjeet Book Depot, New Dehli.

IV Semester

DSC-4D Theory: Regional Geography of India

(For Students admitted in 2021-22 onwards Teaching hours theory 4hrs , Credit 4:0:0 Total 4 credits)

64 Hrs lectures

1. Location and Physical Basis:

Location, size and extent- political divisions, Relief features- Drainage system- climate, seasons, Rainfall-monsoons. Vegetation - major types and their distribution, 16

2. Agriculture and Agricultural Resources:

Soils- major types, their characteristics-Issues of soil erosion and conservation, Irrigation- Need of Irrigation, types of irrigation, Multipurpose projects - DVC, Bhakranangal, Tungabhadra river valley projects, Agricultural crops- production and distribution of rice, wheat , cotton , sugar cane and tea. Development of agriculture- green revolution and white revolution. 16

3. Mineral and power resources-

Significance, production and distribution of Iron ore, Mica, Bauxite, Coal Petroleum, Power Resources- conventional and non conventional Thermal, Hydro, Atomic wind and solar energy. Major industries- iron and steel, cotton textile, sugar, major industrial regions of India 16

4. Population and Transport:

Population Growth, Distribution, Density, composition-rural urban, sex composition, Age composition.- Urbanization - Trends and Patterns. Transportation Network- roads, railways, water ways, airways. 16

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. RanjitThirtha : Geography of India, Raniat, Jaipur 1996.
6. Khullar D.R.: India a Comprehensive Geography ,KalyaniPublishers,Ludhiana 2000.
7. Tiwari R.C : Geography of India, PrayagPustakBhawan, Allahabad,. 2003

DSC-4D-Practical-Paper-IV Cartograms and Basic Statistics in Geography

(For Students admitted in 2021-22 onwards Teaching hours Practical 4hrs, Credit 0:0:4 Total 2 credits)

64 Hrs lectures

Unit – I Cartograms : **16**

Significance and use of cartograms in geography, Graphical representation of Statistical data - Line graphs- single, and poly graphs,

- Bar graphs- single and multiple bars (Both vertical and Horizental)

Compound bar, Pyramid graphs.

- Proportionate circles - sector/ wheel diagram

Unit 2: **Thematic mapping:** 16

Choropleth method, Dot method, Choro schematic, Choro cromatic, and isopleths.

Part - II Basic Statistics

Unit 3: Statistics- 16

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.

Unit 4: Measures of dispersion – 16

mean deviation, Quartile deviation and standard deviation.

Measures of Relative dispersions, Co-efficient of Mean Deviations, Coefficient of Variations,

References:

1. Singh. R.L. : Elements of Practical Geography, KalyaniPublishers,New Delhi, 19791.
2. Gopal Singh : Map Work and Practical Geography, III ed, Vikas, Publishing House, New Delhi,
3. MishraR.P : Fundamentals of Cartography,1969, Prasaranga,University of Mysore, Mysore.
4. ZamirAlvi : Statistical Geography, Methods and Applications, Rawat Publications, Jaipur 1995
5. Monkhouse F.J and Maps and Diagrams
6. Wilkinson H.R: Mathuen and Co, Ltd., London, 1952.
7. Raisz E General Cartography, 1948. Tata-MC-Graw Hill, New York
8. Robinson .HElements of Cartography,John Wiley, London. 1963.

V SEMESTER

Discipline Specific Elective Papers

DSE-I Theory Paper-I: Economic Geography of the World

(For Students admitted in 2021-22 onwards Teaching hours theory 4hrs , Credit 4:0:0 Total 4 credits)

64 hrs Lectures

Unit 1: Introduction to Economic Geography: 16

Economic geography Meaning and definition, field and approaches, Growth and development of economic geography

Unit 2: Resources: 16

Concept of Resource, characteristics, classification-on the basis of origin – biotic and Abiotic, on the basis of exhaustibility –Renewable and non renewable, on the basis of status of Development – Potential and developed stock. Resource conservation and management, Need for conservation.

Unit 3: Agricultural and allied activities: 16

Agricultural types, agricultural regions , von thunen's agricultural location theory, Major Crops: Rice and wheat, Cotton and sugar cane, Coffee and tea, Fishing, Animal husbandry and Diary Farming resources.

Unit 4: Industries- 16

factors of location, weber's theory, Losch's theory,Major Industrial regions of the world, International trade , Major trade routes of the world. Global Agencies and agreements on trade: Multi lateral agreements : WTO, GATT,TRIPS (Trade related aspects of Intellectual property Rights)

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 prakashana Gadag 2001

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DSE-1a Theory Paper II: Settlement Geography

(For Students admitted in 2021-22 onwards Teaching hours theory 4hrs , Credit 4:0:0 Total 4 credits)

64 Hrs Lectures

Unit.1: Introduction to Settlement geography: 16

Meanings of settlements and types- Rural –Urban, Factors influence on the location and development of settlements, classifications based on site, situation, shape and features.

Unit.2:Rural settlements: 16

Factors, Types – compact, semi compact, semi sprinkled and Sprinkled, Patterns of Rural settlements - Linear, Rectangular, Chess board, Circular.

Unit3: Rural Dwellings and Housing types: **16**

Evolution of dwellings, housings types based on Roof, wall Materials, Housing patterns in India.

Unit4: Urban settlements : **16**

Definition, origin and evolution of early towns and cities in India, Hierarchy of urban centers- Rank - size rule. Primate city concepts, Internal structure of Cities.

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. Singh. R.Y : Geography of Settlements, Rawat, NewDelhi,2007.
9. Harold Carter: The study of Urban Geography, 1982
10. Rubenstein J.M. : An Introduction to Human Geography, Macmillan publishing Company 1992.

DSE-1b Theory Paper III: Geography of Tourism

(For Students admitted in 2021-22 onwards Teaching hours theory 4 hrs , Credit 4:0:0 Total 4 credits)

64 Hrs Lectures

Unit1: Origin, development and significances of tourism -Factors influencing Tourism 16

Unit 2: Types of tourism and tourists- based on place of tourism: domestic tourism and inbound and out bound tourism. Based on nature of activity and resource: heritage tourism, Ecotourism, adventure tourism, agri-tourism, health tourism. 16

Unit 3: Tourism infrastructure and its importance- Accommodation and hospitality, Transportation, Communication, cultural resources, Natural landscapes, sports and recreations, 16

Unit 4: Tourism planning and development, Marketing advertisement -Hospitality - associated problems, Accommodation, Accebility and Resources, Financial problem and Resources. 16

References :

1 Jagmohannegi and Gaurav N Manohar : Tourism-India,50 years of independence,1947-97 status

2 ManoharSajani : Encyclopedia of Tourism resources in India Gyan, publications, 2001, New Delhi.

3 Goswami V.K :Tourism in India, Gyan Publications, 1987

4 Manoharsajani : Tourism and growth, Management and incentives,Gyan Publications 2002

5Bezbaruah M P : Indian Tourism, Beyond millennium, Gyan publications,1999.

6 Batta.N - Tourism and the environment, I ndus books 2004

7 Bhardwaj, Kandan Chaudhary : Domestic tourism in India ,Indus books,2004

DSE-1-Compulsary Practical Paper V - Interpretation of Topographical Maps

(For Students admitted in 2021-22 onwards Teaching hours practical 4 hrs , Credit 0:0:4 Total 2 credits)

64 Hrs Lectures

Unit 1: Topographical maps Importance, types of SOI topographical maps based on scale. Large scale maps, small scale maps. 16

Unit 2: Conventional symbols and information: importance, conventional symbols of physical and cultural Phenomena. Information categories: Linear, Areal, Symbolized and Written Information. 16

Unit 3: Marginal Information of the topographical maps: Title (central heading), District heading, season of survey, Edition, Sheet number, legends, Index to sheet, Administrative Index, Sheet Numbering. 16

Unit 4: Map reading and Interpretation of topographical maps under the following heads

i) Relief features (identify max.and Min height, slope character and direction, range of elevation and significant relief features using contours in the topographical maps

ii) Drainage pattern – (students shall identify the pattern of Drinage system, general direction of the streams, watershed and micro watersheds)

iii) Natural vegetation and land use

iv) Settlements, Transportation and other cultural features.(Identification of Rural and urban settlements, settlements distribution, size and types, Important Roads and Railways) 16

Note: Two sets compulsory.

References:

1.Singh. R.L. : **Elements of Practical Geography,**KalyaniPublishers,New Delhi, 1991.

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

VI SEMESTER

Discipline Specific Elective Papers

DSE-2 Theory Paper: Environmental Geography

(For Students admitted in 2021-22 onwards Teaching hours theory 4hrs, Credit 4:0:0 Total 4 credits)

64 Hrs Lectures

Unit1: Introduction to Environmental Geography: 16

Meaning and components of environment, field and scope of environmental geography, Interdisciplinary nature of environmental geography.

Unit 2: Ecosystem: 16

Types, functions, energy flow, ecological pyramids,- Bio Geo Chemical cycles.

Unit 3: Environmental pollution: 16

Meaning, types and causes of pollution, Air pollution, water pollution, noise pollution and degradation, Depletion of ozone layer, Green house effect, Climate change.

Unit 4: Conservation and management of environment: 16

Role of international and national polices- role of UNO. Earth summits on Environment: Rio summit declarations. Kyoto Declarations. Copenhagen summit.

REFERENCES:

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

DSE-2a Theory Paper: Regional Geography of Karnataka

(For Students admitted in 2021-22 onwards Teaching hours theory 4hrs, Credit 4:0:0 Total 4 credits)

64 Hrs Lectures

1. **Physical setting:** location, size and extent- relief features, Climate and Agro-climatic regions. 16
2. **Drainage system and Irrigation:** Drainage system in Karnataka, major Rivers, Soils and vegetation, Irrigation and Types, Major rivers valley projects of Karnataka in the Krishna and Cauvery River basins. Major crops- Rice, Jower, Ragi, sugar cane, cotton and oil seeds, Dairy farming.
3. **Minerals and Power Resources:** Minerals-Manganese, Iron ore, Bauxite and Gold, Power resources: Hydel power, Thermal, wind and solar energy. 16
4. **Industries and Industrial Regions of Karnataka:** Manufacturing – Iron and Steel, Aluminium, automobiles, Agro-based: Cotton and sugar, Knowledge and skill: software ware and Hard ware Development. Transport: Road and Railways- Ports and Harbors, Air Transport. **16**
5. **Population**- Growth and Distribution, Density, Composition: sex composition, age composition, Rural urban composition. Urbanization- trends and patterns. 16

References:

1. Karnataka State Gazetter, 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

DSE 2b-Theory Paper: Population and political geography

(For Students admitted in 2021-22 onwards, Teaching hours theory 4hrs, Credit 4:0:0 Total 4 credits)

64 Hrs Lectures

1. Introduction: Development of Population Geography, nature, and scope. Approaches, sources of population data. 16
2. Growth and Distribution of Population: Regional trend of global population Growth, Distribution and Density: Factors influence on the distribution and density, Different methods of Expressing Population density, 16
3. Demographic Transition: Meaning and concept. Migration: causes types and consequences, Population composition: Sex composition, Age structure, rural urban composition. 16
4. Elements of political geography: state and nation, frontiers and boundaries And buffer zones heart land and rim land theory 16

References:

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

DSE-2-Practical Compulsory Paper - Surveying and Fundamentals of GIS

(For Students admitted in 2021-22 onwards, Teaching hours theory 4hrs, Credit 0:0:4 Total 2 credits)

64 Hrs Lectures

Unit 1: Surveying: meaning, importance, types of surveying, Field sketch and Note taking 16

Unit 2: Chain surveying: types of chains- triangulation, plane table surveying: Radiation and intersection, prismatic compass surveying: Radiation and intersection method. 16

Unit 3: Introduction to GIS: meaning, components of GIS – Hardware and software, spatial data entities: point, line, polygon, Source of spatial data - Topographical maps, Aerial photographs, Satellite imageries. 16

Unit4: Spatial data structure and management - Vector data structure, Raster data structure. 16

Note: Students are expected to understand the components of GIS like Hard wares, software, identify and draw point, line and polygon features using topographical maps and create vector and Raster data structure manually in order to understand the concepts)

References:

1.Singh. R.L:**Elements of Practical Geography,**KalyaniPublishers,New Delhi, 19791,Dehra Dun 1992.

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

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

4. Singh. L.R : **Practical Geography**, SharadaPustakBhavan, 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, NewDelhi 2008

9. Tor Bernardsen : Geographic Information System, Wiley, NewDelhi 2002.

10. Prithvish Nag and : Geographical Information System, Concept, NewDelhi- 2007, SmithaGuptha

11. Siddiqui. M.A : Introduction to Geographical Information,Systems, Sharada, Allahabad - 2009

SEMESTER V

Generic Elective

GE- 1 Theory Paper: Introduction to physical geography

(For Students admitted in 2021-22 and onwards Teaching hours theory 2 hrs , Credit 2:0:0 Total 2 credits)

32 Hrs Lectures

Unit1. Physical Geography: 8

Meaning, field and scope, Branches and relation with other Disciplines, Solar system: The place of earth in the solar system, size and shape and origin. Movements of the earth: Rotation and Revolution, its effects.

Unit 2. Rocks and their types. Weathering: 8

Meaning and Types, Denudation Process: Meaning, agents- River, underground water, wind and glaciers. Process: Erosion Transport and Deposition.

Unit 3. Atmosphere: **8**

Structure and composition, weather and climate: temperature and pressure, Winds and their types

Unit 4.Hydrosphere: 8

Relief of ocean floor, temperature distribution, salinity and its distribution, oceanic circulation: ocean currents,

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), VidhyanidiGadag, 2003.
5.Savindra Singh: Physical Geography, Pravag, PustakBhavan, Allahabad-1998.

SEMESTER V

GE- 2 Theory Paper : Regional Geography of the world.

(For Students admitted in 2021-22 and onwards Teaching hours theory 2 hrs , Credit 2:0:0 Total 2 credits)

32 Hrs Lectures

Unit 1: Regional Geography: 8

Concept of region, and types of Regions. Political division of the world- Continents- Different regions on the basis of development in the world.

Unit 2: Major Oceans and Seas of the world, Rivers, Natural regions of the world: 8

Equatorial, Monsoon, Mediterranean, grasslands, hot and cold deserts, tundra regions (with reference to their location, Extent, places, climate, vegetation, animal life and human activities)

Unit 3: Economic activities – 8

agricultural types – Mineral resources - iron , Power resources- coal, and petroleum. Industry: locations, factors, industrial regions of the world.

Unit 4: Transportation – 8

major World trade routes- sea and air routes, continental railways, Population : Growth, distribution and Density.

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

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

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

SEMESTER VI

GE- 3 Theory paper : Introduction to Human Geography

(For Students admitted in 2021-22 and onwards Teaching hours theory 2 hrs , Credit 2:0:0 Total 2 credits)

32 Hrs Lectures

Unit 1. Meaning and scope of human geography, Approaches of man environment relationship, Environmental determinism, Possibilism 8

Unit 2. Culture and cultural diversity, Race, Religion, Language, cultural realms 8

Unit 3. Major primitive tribe of the world and their life: Eskimos, khirghis, Bushman. 8

Unit 4. Population and settlement types: Population growth and distribution, Density, Demographic cycle, Migration- Types, causes and effects. 8

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 stCentury , Pearson 2003.
6. Norris and Haring : Political Geography, Charles. E. Merill Publishing Company.
7. Dr.Ranganath : Principles of Human Geography (Kan. Ver.) Vidyanidhi, Gadag, 2002.
8. Rubenstein J.M : An Introduction to Human Geography, Macmillan Publishing Company 1992.

GE- 4 Theory Paper: Regional Geography of India

(For Students admitted in 2021-22 and onwards Teaching hours theory 2 hrs , Credit 2:0:0 Total 2 credits)

32 Hrs Lectures

Unit 1: Location and extent, physical features- Himalayan Mountains, Northern Plains, Peninsular Plateau and Coastal plains and Islands, rivers- North Indian Rivers and South Indian Rivers, West flowing and east flowing rivers, climate- factors influence on climate, Seasons, Monsoon and its role on Indian climate. 8

Unit2: soils- types and distribution, soil conservation. Natural vegetation: factors, Distribution and Types, Agriculture: major crops- food crops, commercial crops, Beverage crops. 8

Unit 3: Minerals and power resources: minerals resources- Iron ore, manganese, Power resources- coal, petroleum, Wind, solar energy. 8

Unit4: Industries: industrial regions, Iron and steel, cotton textiles, Fertilizers- Population: growth, distribution, Density. 8

References:

1. GopalSingh : 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) VidyanidhiGadag, 2006.
5. RanjitThirtha : Geography of India, Raniat, Jaipur 1996.
6. KhullarD.R.: India a Comprehensive Geography,Kalyani Publishers Ludhiana 2000.
7. Tiwari R.C : Geography of India, PrayagPustakBhawan, Allahabad 2 ed. 2003.

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