

KARNATAK UNIVERSITY, DHARWAD

No. KU/Aca(S&T)/NSR-8//Geography(UG)/2013-14/869 /309

Date: 18 JUN 2

NOTIFICATION

Sub: Regarding, rectification in the syllabus of B.A./B.Sc. Geography (UG) with effect from the academic year 2013-14 and onwards.

- Ref: 1) BOS in Geography (UG/PG) Res.No.9 dated: 20-09-2013
2) Science Faculty Res No. 8 Dated: 14-03-2014
3) Academic Council Res. No. 12 dated 29-3-2014
4) Vice-Chancellor's order dated:-7-6-2014

Adverting to the above, it is hereby notified to the Principals, of all constituent and affiliated Arts & Science degree colleges coming under the jurisdiction of Karnatak University, Dharwad, that the syllabus for B.A./B.Sc. Geography (UG) is rectified with effect from the academic year 2013-14 and onwards.

Hence, the content of this notification may please be brought to the notice of the students and all concerned.

The concerned syllabus may also be obtained through the K.U. **Website: www.kud.ac.in.**


REGISTRAR

Encl: As above

To,

1. The Principals of all the constituent and affiliated (Arts & Science) degree colleges coming under the jurisdiction of Karnatak University, Dharwad,
2. The Registrar,(Evaluation), K.U. Dharwad.
3. Dr.R.M Vatnal, In charge Director, Information Technology, Exam Section, room No. 104, K.U.Dharwad, with a request to place the Notification in the University website: www.kud.ac.in

Copy f.w.cs. to

Dr. S.A. Patil, Dean Faculty of Science & Tech., Dept. of Studies in Chemistry, K.U.Dharwad,

Copy to:

1. P.S. to Vice-Chancellor, K.U. Dharwad.
2. S.A. to Registrar, K.U. Dharwad.
3. S.A. to Registrar (Evaluation), K.U. Dharwad.
4. O.S., Exam. (Confdl./PG) Section, K.U. Dharwad.
5. O.S., Exam (PG) Section, K.U.Dharwad
6. O.S. Exam (QP) Section, KU, Dharwad
7. O.S. Exam (G.A.D.) Section, KU, Dharwad.

Karnataka University Dharwad

Revised Syllabus for B.A. & B.Sc. of Geography

With effect from 2013-14 onwards.

Rules & Regulations

Introduction: Introduction of the semester for undergraduate studies is a welcome a decision by the authorities taking into consideration the present –day needs and necessities. The non object of the system is to know the modern development and its relevance in day-to-day life of the people .An effort is made to know in details about the subject and structure of course keeps the teacher and the taught busy throughout the semester. It helps the students to prepare well for the examination, as there are two semesters in academic year.

Geography B.A/ B.Sc. Semester

To be eligible to offer ‘GEOGRAPHY’ as one of the optional subjects U.G level, a student must complete pre-university or equivalent course.

Scheme of instruction

- i. The subject ‘GEOGRAPHY’ for this scheme has to be taught by a master degree holder in geography only
- ii. Geography at undergraduate level consists of six semester with eight the papers and eight practical papers. In I,II,III and IV semester there will be one theory paper and one practical paper each. In the V and VI semester there will be two theory papers and two practical each.
- iii. Each theory paper will have a minimum of ‘60’ hours of teaching each practical paper will have a minimum of ‘40’ hours of teaching in each semester course.
- iv. The duration of each semester being ‘18’ weeks excluding Examinations Period.
- v. Practical’s are to be conducted in batches. Each batch consists of ‘15’ student with one teachers, and between ‘16-27’ students with two teachers. In case, if student are below ‘15’ is also considered as one batch with one teacher.
- vi. Each batch (depends on the number of students) must be supervised by one teachers covering instructions supervision of practical’s and correction of records.

ATTENDENCE : In each semester 75% of attendance is compulsory.

Scheme of examinations

Theory Examination: 1. The Theory course shall carry '100' Marks of which '80' Marks are added for the theory examination and '20' Marks for internal assessment.

2. The examination will be conducted at the end of each semester

3. Each theory course will have a question paper of '3' hours duration and the maximum marks of '80'

4. Each theory question paper should have A, B & C Sections consisting of 2, 5 & 10 Marks respectively. In section "A" 10 questions must be attempted out of 12 questions. In section "B" 6 questions must be attempted out of 8 questions & in section "C", 3 questions must be attempted.

Practical Examination: 1. Each practical course will have an examination of '4' hours duration with maximum marks of '50' of which '40' marks are allotted for the practical examination and '10' marks for internal assessment by conducting an examination in practical taught up to that period.

2. The practical examination is to be conducted in batches with not more than '15' candidates per batch.

3. There will be one internal examiner one external examiner to conduct the practical examination for each batch.

4. Scientific calculators and mobile phones are not allowed in the examination

5. Minimum marks to pass in each paper both theory and a practical is 40%

6. Each candidate shall complete the laboratory course prescribed by the University entering all the experiments/exercises in the Laboratory Journal which shall be produced at the time of practical examination along with a certificate signed both by the course teacher and the Head of the Department of Geography of the concerned college to the effect that he/she has completed the prescribed course in a satisfactory manner.

Name of Papers in B.A./B.Sc. Geography

	Semester	Name of Subject	Marks +IA= Total	
B.A./B.Sc. Geography	1 st Sem	Paper-I:Geomorphology	80+20	100
		Practical Paper I: Scales	40+10	50
B.A./B.Sc. Geography	2 nd Sem	Paper-II: Climatology and Oceanography	80+20	100
		Practical Paper II : Maps and Diagrams	40+10	50
B.A./B.Sc. Geography	IIIrd Sem	Paper-III: Regional Geography of Karnataka	80+20	100
		Practical Paper III: introduction to Weather Maps and Instruments.	40+10	50
B.A/ B.Sci Geography	IV th Sem	Paper- IV: Regional Geography of India	80+20	100
		Practical Paper IV : Interpretation of Topographical Maps	40+10	50
B.A./B.Sc. Geography	V th Sem	Paper-V: Evolution of Geographical Thought	80+20	100
	V th Sem	Paper-VI: Human and Economic Geography of the World	80+20	100
		Practical Paper V: Map Projections	40+10	50
		Practical Paper VI: Statistical Diagrams and Statistic	40+10	50
	VI th Sem	Paper-VII: Environmental Geography	80 +20	100
		Paper-VIII: Geography of Agriculture and Rural Settlement.	80+20	100
		Practical Paper VII: Basic Computer Application and G I S	40+10	50
		Practical Paper VIII: Field Study and Project Report	40+10	50

B.A/B.Sci I Semester Theory PAPER I : Geomorphology (80 Marks)

Course structure: One Theory and One Practical

Teaching Theory: 5 Hours per week + one hour assignment /semester/discussion

Practical : Four hours per week.

Examination :1. One Theory paper of 80 marks and 20 marks internal assessment.
2. One Practical of 40 marks of 4 hours duration and 10 marks for Journals and Viva-voce.

Unit I: Meaning, Nature, scope and Content of Geomorphology.

Unit 2: Origin of the Earth- Theories of Kant, Laplace; Jeans and Jeffreys.

Unit 3: Interior of the Earth; Origin of Continents and Ocean Basins- Wegener Theory of Continental Drift

Unit 4: Earth Movements- Diastrophism, Folding and faulting, Earthquakes and Volcanoes,Rocks

Unit 5: Weathering and agents of denudation: Works of Running water, Underground water, Wind, Glacier and resultant landforms.

Recommended Books:

1. G.T.Triwartha : Elements of Physical Geography
2. Wooldridge and Morgan : Physical Basis of Geography
3. Singh, D.K. : Physical Geography
4. Singh, Savindra : Physical Geography.
5. S.S.Nanjannavar and M.N.Meeranaik.: Text Book of Physical Geography
6. S.S.Nanjannavar :Prakratika Bhogola
7. M.B.Goudar: Prakratika Bhogola

PRATICAL– PAPER I: SCALES

1. Scales:Definition and Types
2. Conversion of scale
 - a) Representative Fraction to Verbal Scale (15 Exercises)
 - b) Verbal Scale into Representative Fraction (15 Exercises).
3. Construction of the Scales; Plain/ Statement, Comparative, Time, Pace and Diagonal Scale and Importance of Scales (Each 2 Exercises)
4. Journal and Viva- Voce

Recommended Books:

1. R.L. Singh : Elements of Practical Geography
- 2.R.P.Misra and A. Ramesh : Fundamental of Cartography
3. Gopal Singh : Practical Geography
4. Ranganath : Practical Geography
5. S.S.Najannavar and M.F.Karennavar : Practical Geography

B.A/B.Sci II Semester, Theory Paper II: Climatology and Oceanography

(80 Marks)

Course structure: One Theory and One Practical

Teaching Theory: 5 Hours per week + one hour assignment /semester/discussion

Practical : Four hours per week.

Examination : 1. One Theory paper of 80 marks and 20 marks internal assessment.
2. One Practical of 40 marks of 4 hours duration and 10 marks for Journals and Viva-voce.

Unit 1: Structure and Composition of atmosphere, Weather and Climate.

Unit2: Insolation Vertical and Horizontal distribution of Temperature.

Unit 3: Pressure: Pressure belts and Winds, Humidity and Precipitation; Types of Rainfall

Unit 4: Origin and Characteristics of Temperate and Tropical Cyclones; Anti-cyclones.

Unit 5: Surface configuration temperature, salinity and currents of Ocean Basins, Pacific, Atlantic and Indian Oceans. Tides and Marine Deposits

Recommended Books:

1. G.T.Triwartha : Elements of Physical Geography
2. Wooldridge and Morgan :Physical Basis of Geography
3. Singh, D.K. : Physical Geography
4. Singh, Savindra : Physical Geography.
5. S.S.Nanjannavar and M.N.Meeranaik.: Text Book of Physical Geography
6. S.S.Nanjannavar : Prakratika Bhogolashastra
7. M.B.Gauodar : Prakrtaik Bhogolashastra

PRACTICAL PAPER II: MAPS AND CONTOUR DIAGRAMS

1. Definition, Types and uses of Maps.
2. Methods of Enlargement and Reduction of maps by graphical Method (2 Exc each)
3. Representation of following relief features by Contours- Hill, Slopes, Mesa, Saddle, Plateau, Cliff, Spur, Escarpments, 'U' & 'V' Shaped Valley, Waterfalls.
4. Journal and Viva-Voce

Recommended Books:

1. R.L. Singh : Elements of Practical Geography
2. R.P. Misra and A. Ramesh : Fundamental of Cartography
3. Gopal Singh : Practical Geography
4. Ranganath : Practical Geography
5. S.S. Nanjannavar and M.F. Karennavar : Practical Geography.

B.A/B.Sci III SEMESTER, Theory PAPER III: REGIONAL GEOGRAPHY OF KARNATAKA (80 Marks)

Course structure: One Theory and One Practical

Teaching Theory: 5 Hours per week + one hour assignment /semester/discussion

Practical : Four hours per week.

Examination : 1. One Theory paper of 80 marks and 20 marks internal assessment.
2. One Practical of 40 marks of 4 hours duration and 10 marks for Journals and Viva-voce.

Unit 1. Location, Physiographic divisions, Drainage system, Climate, Soils and Natural vegetation of Karnataka.

Unit 2. Human and water Resources: Population Growth, Density, Sex ratio, Literacy ,Distribution, Problems and Remedies, River Projects of Tungabhadra, Ghataprabha, Malaprabha, Krishan and Cauvery.

Unit 3. Agriculture and Major Crops : Rice, Ragi, Jowar, Cotton, Chillies, Sugarcane, Grapes, Coconut and their production and distribution.

Unit 4 .Mineral resources and Major industries: Iron ore, Manganese ore and Bauxite, Iron and Steel, Sugar, Cement, Paper and Dairy farming.

Unit 5. Transport, Ports and Tourist Centres: Road and Rail; Mangalore and Karwar ports; Jog falls, Mysore, Bijapur and Hampi.

Recommended Books:

1. R.P.Misra :Geography of Mysore State
2. N.B.K Reddy and Murty : Regional Geography of Karnataka
3. Ramacandra Rao : Geography of Karnataka.
4. S.S.Nanjannavar and M.N.Meeranaik : Geography of Karnataka (English and Kannada)
5. M.B.Goudar : Karnataka da Bhogolashastra

PRACTICAL PAPER III : Interpretation of Weather maps and Instruments.

Study and Interpretations of Indian Daily Weather Reports

A. Use of Weather Instruments- Wet & dry Bulb Thermometer, Barometer, Wind-vane, Rain Gauge.

B. Weather Symbols and Interpretation of Indian Daily Weather Maps and Forecasting.

Journal & Viva-Voce.

Recommended Books:

1. R.L. Singh : Elements of Practical Geography
2. R.P.Misra and A. Ramesh : Fundamentals of Cartography
3. Gopal Singh : Practical Geography
4. Ranganath : Practical Geography

B.A/B.Sci IV SEMESTER THEORY PAPER IV: REGIONAL GEOGRAPHY OF INDIA (80 Marks)

Course structure: One Theory and One Practical

Teaching: Theory 5 Hours per week + one hour assignment /seminar/discussion

Practical : Four hours per week.

Examination : 1. One Theory paper of 80 marks and 20 marks internal assessment.
2. One Practical of 40 marks of 4 hours duration and 10 marks for Journals and Viva-voce.

Unit1: Physiographic divisions; Drainage system; Climate and climatic regions; Soil and Natural vegetation.

Unit2: Human Resources- Growth Density and Distribution of Population; Problems and Remedies.

Unit3: Major Crops: Rice, wheat, sugarcane, cotton and tea. Agricultural regions, Green revolution and its consequences

Unit4: Minerals and power resources and Industries: Iron ore, coal and petroleum; Bakara-Nangal and DVC Multipurpose Projects; Major industries: Iron and steel, cotton Textile, sugar, Paper and cement.

Unit 5: Transport and Trade: Road, Rail and Air; Trade: Internal and International.

Recommended Books:

1. Alkagau :Advanced Geography of India
2. T.Sharma INDIA : An Economic and Commercial Geography
3. S.S.Nanjannavar and I.A.Mulla : Bharatada Bhogolashastar
4. P.Mallappa : Bharatada Bhogolashastar
5. M.B.Goudar : Bharatad Bhogolashastar

PRACTICAL PAPER IV : Interpretation of Toposheets

1. Marginal information of Toposheet and colour convention used in S.O.I.Maps, Conventional Signs and symbols to represent physical and cultural features.
2. Interpretation of S.O.I. Topographical Maps, relief, drainage, vegetation, settlements, transportation and communication and land use.
3. Cross – section and calculation of exaggeration.

Recommended Book :

1. R.L. Singh : Elements of Practical Geography
2. R.P.Misra and A. Ramesh : Fundamentals of Cartography
3. Gopal Singh : Practical Geography
4. Ranganath : Practical Geogaphy

B.A/B.Sci Vth SEMESTER, THEORY PAPER V: EVOLUTION OF GEOGRAPHICAL THOUGHT (80 Marks)

Course structure: Two Theory Papers and Two Practicals

Teaching Theory: 5 Hours per week + one hour assignment /seminar/discussion

Practical : Four hours per week.

Examination : 1. Two Theory papers of 80 marks each and 20 marks internal assessment each.

2. Two Practical's of 40 marks and each practical of 4 hours duration and 10 marks each for Journals and Viva-voce.

Unit 1. Nature, Scope and Content of Geographical thought.

Unit 2. Classical contributions to geographical thought: Greek, Roman and Indian.

Unit 3. Geography in Middle ages, Contribution of Arab Geographers.

Unit 4. Major Themes in geography: Foundations of geography: major contributions of Alexander von Humboldt, Carl Ritter, and Ratzel.

Unit 5. Emergence of Modern Geography.

Recommended Books:

1. Ali, S.M. (1960): Arab Geography, Institute of Islamic Studies, Aligarh Muslim University, Aligarh, First Edition.
2. Ali, S.M. (1983): The Geography of Puranas, People's Publishing House, New Delhi, Third Edition.
3. Dikshit, R. D. (2003): Geographical Thought. A Critical History of Ideas. Prentice-Hall of India, New Delhi. (in English and Hindi).
4. Majid Husain M. (2002): Evolution of Geographical Thought, Rawat Publication
5. S.S.Nanjannaver and Nidagundi : Bhongolika Vichardhare.(Kannada).

B.A/B.Sci Vth SEMETER, PAPER VI : HUMAN AND ECONOMIC GEOGRAHY OF THE WORLD (80 Marks)

Unit 1. Meaning, Nature, Scope of Human and Economic Geography.

Unit 2. World Physiographic Divisions, Rivers, and Climate.

Unit 3. Human Races of the World- origin and classification; Major tribes of the world and India- Pygmies, Kirghiz, Eskimos, Bushmen, Nagas, Bhils and Todas.

Unit 4.Types of Agriculture, distribution and production of major crops- rice, wheat, cotton, sugarcane.

Unit 5.Minerals and Major Industries: Iron-Ore, Manganese, Petroleum and Coal. Iron and Steel, Cotton Textile, sugar and Cement.

Recommended Books:

1. Husain, M (1994): Human Geography, Rawat Publications, Jaipur.
2. Kaushik, S.D. and Sharma, A.K. (1996): Principles of Human Geography Rastogi Publication, Meerut.
3. Singh, K. N. and Singh, J. (2001): *Manav Bhugol*. Gyanodaya Prakashan, Gorakhpur.
4. Singh,L.R. (2005): Fundamentals of Human Geography, Sharda Pustak Bhawan, Allahabad
5. Smith, D. M.(1977): Human Geography- A Welfare Approach, Edward
6. Jones & Darkenwad: Economic Geography
7. Alexander, J.W.: Economic Geography.
8. Saxena,H.M.(2013): Economic Geography,Rawat Publications, Jaipur and New Delhi
9. M.B.Goudar : : Arthika wanigea Bhogol and Manav Bhogol (kannada)

PRACTICAL PAPER V: Map Projections

I. Classification and Types of Projections.

II. Construction of Map Projections

A. Cylindrical Projections: Simple Cylindrical, Cylindrical Equal Area, and Mercator's, Projection.

B. Conical Projections: Conical with One Standard, and Two standard Parallel, Bonne's, projection.

C. Zenithal projections: Polar Zenithal Gnomonic, Polar Zenithal Stereographic, Polar Zenithal Orthomorphic.

Journal and Viva Voce.

Recommended Books:

1. R.L. Singh : Elements of Practical Geography
2. R.P.Misra and A. Ramesh : Fundamental of Cartography
3. Gopal Singh : Practical Geography
4. Ranganath : Practical Geography

PRACTICAL PAPER VI : STATISTICAL DAIGRAMS AND STATISTICS.

1. Cartographical Representation of Statistical Graphs : Band Graph, Hythergraph and Climograph.
2. Diagrams- Pie, Wind Rose, Dot and Choropleth map.
3. Statistical methods in Geography-Frequency distribution- Mean, Median Mode, Mean Deviation, Quartile deviation, Standard Deviation, and correlation Coefficient.
4. Journal and Viva-voce

Recommended Books :

1. R.L. Singh : Elements of Practical Geography
2. R.P.Misra and A. Ramesh : Fundamental of Cartography
3. Gopal Singh : Practical Geography
4. Ranganath : Practical Geography

B.A/B.Sci VI SEMESTER, THEORY PAPER-VII - ENVIORNMENTAL GEOGRAPHY (80 Marks)

Course structure: Two Theory Papers and Two Practicals

Teaching Theory: 5 Hours per week + one hour assignment /seminar/discussion

Practical : Four hours per week.

Examination :1. Two Theory papers of 80 marks and each practical and 20 marks internal assessment each.

2. Two Practicals of 40 marks each of 4 hours duration and 10 marks each for Journals and Viva-voce.

Unit 1. Definition, Scope and Content of Environment Geography and Ecosystem.

Unit 2. Man and Environment: Inter dependence between man and Environment Man's impact on vegetation, animal life, Climate, Soil and Water.

Unit 3. Biodiversity: Types and uses, biodiversity at the local, regional and global level.

Unit 4. Endangered and Endemic Species of India.

Unit 5. Environmental Pollution: Types , Causes and Effects of Pollution, Measures to Control Pollution, Global Warming and Depletion of Ozone layer.

Recommended Books :

1. Savindra Singh : Environmental Geography
- 2.Saxena H.M :.Environmental Geography
3. Asha B.N : Man and his Environment.
- 4.M.B.Goudar : Parisara Bhugolashastra.

B.A/B.Sci VI SEMESTER THEORY PAPER: VIII GEOGRAPHY OF AGRICULTURE AND RURAL SETTLEMENT (80 Marks)

Unit 1. Meaning, nature and scope of Agricultural and Rural Settlement Geography.

Unit 2. Types of Farming: Crop concentration and Delineation of crop combination regions. Subsistence, plantation, commercial and mixed farming.

Unit 3. Agricultural planning and policies in India, Agro-climatic regions of India, Green revolution and its issues.

Unit 4. Nature and scope of Rural Settlement. Geography, Rural Settlements, Characteristics Types, Patterns, and Morphology.

Unit 5. Rural-Urban Continuum Rural Planning and NREGA: Objectives, Importance and Functions of NREGA.

Recommended Books.

1. Husain, M. (1996) : Systematic Agricultural Geography, Rawat Publications, Jaipur.
2. Mishra, R. P. (1967) : Diffusion of Agricultural Innovations, University of Mysore, Mysore.
3. Mohammad, A.(1978) : Studies in Agricultural Geography, Rajesh Publications, New Delhi
4. (1972) : Agricultural Geography, Methuen & Co.London.
5. Mohammad Safi.(2006) : Agriculture Geography.
6. L.T.Nayak : Vasati Bhogolashastra.
7. Nanjannavar,S.S. : Settlement Geography (in Kannada)
8. Singh.R.Y(1998) : Geography of Settlements, Rawat Publications,Jaipur & New Delhi.
9. Mandal,R.B.(2001) : Introduction to Rural Settlements, Concept Publishing Company, New Delhi.

PRACTICAL PAPER VII: Computer Application and GIS

1. Basics of Computer Applications: Operation of M.S. Word M.S. Excel and Power Point.
2. Graphical Representation of data.
3. GIS; Importance, Components (Hardware, Software, Infrastructure, Brain ware).

PRACTICAL PAPER VIII: FIELD WORK AND PROJECT REPORT

Field Trip and Report Writing: Students have to identify the problems and field work can be carried. A report should be prepared and submitted to the Department before the commencement of practical examination.