

K.L.E. Society's
LINGARAJ COLLEGE, BELGAUM.
(AUTONOMOUS)

DEPARTMENT OF GEOGRAPHY

B. A. - II Semester

Paper: Physical Geography - II

(w.e.f. 2019-20 and onwards)

SYLLABUS

At the end of this course students will be able to:

1. Understand the basic concepts of Geography.
2. Understand the importance of the atmospheric pressure and winds.
3. Understand how atmospheric moisture works.
4. They will be able to understand the importance of the ozone layer and bad effect of green- house gasses moreover will be eligible to apply this for the solution of environmental problem.
5. Develop an idea about concept of oceans ,tides, currents and salinity of ocean water.

Teaching hours per week – 5 Hours

Maximum Marks : 100

Semester End Examination Marks : 70

Internal Assessment Marks : 30

Sl. No.	Unit	Hours
I.	Introduction to Climatology a. Meaning Definition and Significance of Climatology b. Weather and Climate c. Climate Change d. Structure and Composition of Atmosphere	7
II.	Insolation and Pressure a. Factors Controlling the Atmospheric Temperature b. Horizontal and Vertical distribution of temperature. c. Heat budget of the earth. d. Pressure Belts.	8
III.	Atmospheric Circulation and Disturbances a. Types of Winds - Planetary, Seasonal and Local Winds b. Cyclones and Anti cyclones c. Humidity – Absolute, Relative and Specific d. Forms of Condensation and Precipitation e. Air Masses and their types	15
IV.	Configuration of Ocean floor a. Hypsographic Curve b. Relief features of the Ocean floor: i. Indian Ocean ii. Pacific Ocean and iii. Atlantic Ocean	10
V.	Properties and Movement of Ocean Water	15

	<ul style="list-style-type: none"> a. Factors affecting the distribution of Temperature, Salinity and density of ocean water b. Ocean Tides c. Mechanism and formation of Atlantic, Pacific and Indian Ocean currents. 	
	<p style="text-align: center;">Internal : 30 Marks</p> <p>Two internal tests carrying 10 marks each. Field work/seminars/assignment/class participation/ project work etc carry 10 marks.</p> <p>Methods of Writing Project Reports</p>	
	Total	55

Suggested Readings

: Text Books:

1. Barry. R.G. and Chorley P.J.; Atmosphere, Weather and Climate, Routledge London and New York, 1998.
2. King, C.A.M. Oceanography for Geographers 1962.
3. Critchfield, J.H. : General Climatology, Prentice Hall, India, New Delhi, 1993.
4. Das, P.K. : Monsoons National Book Trust, New Delhi, 1987.
5. Mallappa, P.: Physical Geography,(Kannada)Chethana Book house Mysore 2006
6. Ranganath.: Physical Geography,(Kannada) Vidyanidhi Prakashan Gadag 2006
7. Nanjannavar, S S.: Physical Geography, J M Publication Manjanathnagar Bangalore 2001
8. Goudar M B : Physical Geography(Kannada) Vidyanidhi Prakashan Gadag 2002
9. India Met. Deptt. : Climatological Tables of Observations in India, Govt. of India, 1968.
10. Hangaragi S S : Climatology and Biogeography, Shree Sangamesha Prakashan Guledagudd 2006.

: Reference Books:

1. Chorley, R.J.: Spatial Analysis in Geomorphology, Methuen, London,
2. Robinson, H: Morphology and Landscape,
3. King, C.A.M. Oceanography for Geographers 1962.
4. Sharma, R.C. " The Oceans " Rajesh N.Delhi. 1985.
5. Hartshorne, Richard: Perspective on the Nature of Geography, Rand McNally and Co., Chicago, 1959.
6. Lal, D.S. : Climatology, Chaitanya Publications, Allahabad, 1986.
7. Lydolph P.E. : The Climate of the Earth, Rowman, 1985.
8. Menon, P.A. : Our Weather, N.B.T., New Delhi, 1989.
9. Peterson, S. : Introduction to Meteorology, Mc Graw Hill Book, London, 1969.
10. Robinson, P.J. and Henderson S. : Contemporary Climatology, Henlow, 1999.
11. Mather, J.R.: Climatology, Mc Grow Hill, New York.

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DEPARTMENT OF GEOGRAPHY

B. A. - II Semester

Practical : Maps and Representation of relief features

(Syllabus w.e.f. 2019-20 and onwards)

At the end of this course students will be able to:

1. Understand the types of maps and their uses.
2. Acquire the skills to change the map size and scales.
3. Able to the different types of landforms with the help of contour lines.

Teaching hours per week – 4 Hours

Maximum Marks : 50

Semester End Examination Marks : 35

Internal Assessment Marks : 15

Sl. No	Units	Hours
I,	Maps a. Maps: Meaning, Elements and Importance of Maps.	10
II.	Enlargement and Reduction of Maps by Graphical Method a. Enlargement of maps 2 Exercises b. Reduction of maps 2 Exercises	10
III.	Relief representation by contours a. Meaning and methods of relief representation. b. Representation of the following Relief features: Hill and Slopes, Plateau, Spur, Volcano with creator, Saddle, Pass, V and U Shaped Valley. Waterfall, Rapids, Cirque, Cliff, Escarpment, Ox-bow- lake.	20
Internal Marks-15 One internal test carrying – 15 Marks		40

Suggested Readings :-

1. Misra, R.P. and Ramesh. A. Fundamentals of Cartography, Mcmillan Co., New Delhi, 1986.
2. Pal, S.K. Statistics for Geoscientists – Techniques and Applications, Concept, New Delhi, 1998.
3. Robinson, A.H. et al : Elements of Cartography, John Wiley & Sons, U.S.A., 1995.
4. Sarkar A.:K Practical Geography : A Systematic Approach, Oriental Longman, Calcutta, 1997
5. Singh, R.L. and Dutt, P.K. : Elements of Practical Geography, Kalyani Publishers, New Delhi, 1979.
6. M F Karenavar, and S S Nanjannavar : Practical Geography, Vijaya Book Depot and Prakashan Gadag, 1996
7. Shaha. P. and Basu. P. : Advanced Practical Geography, Books and Allied (p) Ltd Kolcatta 2007

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B.A. – II Semester
Physical Geography - II

QUESTION PAPER BLUE PRINT/ PATTERN
 (w.e.f. From 2012 and onwards)

For all the social science papers in B. A program and for all the non problem oriented subjects in B. Com program

Unit	Part A 2 marks	Part B 5 Marks	Part C 12 marks	Part D 10 marks
1	2	Set 6 Questions from 5 Units. Minimum 1 Question must be asked from each unit.	4 questions from 5 units. Not more than One question from each unit.	Case study/Map/ Problem Solving Question/Essay/ two question will be set based on the syllabus
2	2			
3	2			
4	2			
5	2			
Total questions	10 questions	6 questions	4 questions	2 questions
	Answer any 8 questions out of 10	Answer any 4 questions out of 6	Answer any 2 questions out of 4	Answer any 1 question
	8 X 2 =16	4 x 5= 20	2 x 12 = 24	1 x 10 = 10

Part A :	Set Two questions from each unit. Answering any 8 questions from 10 questions (8 qns x 2 mks = 16 marks)
Part B :	Set One question minimum from each unit (draw 2 Questions from any 1 of the 5 units). Answering any 4 questions from 6 questions (4 qns x 5 mks = 20 marks)
Part C :	Set 4 questions from 5 units. Not more than One question from each unit Answering any 2 questions from 4 questions (2 qns x 12 mks = 24 marks)
Part D :	Case study / Map /Problem Solving Question /Essay, etc Two questions will be set based on the Syllabus (1 qns x 10 mks = 10 marks)