SOLAPUR UNIVERSITY, SOLAPUR

Class – B.A. I
(Choice Based Credit System)
Semester I
Sub.: Geography (Paper No. I)
Name of the Paper: Physical Geography (Geomorphology)
(w. e. f. June 2016)

Code No.: OG - 1 Course No.: AOG - 101

No. of Credit: 04 Total Lectures: 60 Total Marks: 100

Course objectives:

1. To sensitize the students about background knowledge of Geography and Geology.
2. To familiarize the students with some geomorphological concepts and processes takes place on the earth surface and within the earth crust.

Topic No.	Name of the Topic	Details	No. of Lectures
1	Introduction to Physical Geography	1. Definitions 2. Nature and Scope 3. Branches 4. Importance	15
2	Lithosphere and Hydrosphere	1. Interior of the Earth 2. Wegner's theory of continental drift. 3. Configuration of ocean floor: Continental Shelf, Slope, Plains, Trenches, Coral Reefs, Ridges and Islands.	15
3	Diastrophic Movements	1. Meaning and types of Endogenic and Exogenic forces. 2. Effects of Endogenic force - Folding and Faulting. 3. Earthquake and Volcanoes: their origin, causes, effects and distribution.	15

4	A) Weathering and Erosion	A.1. Rocks: Meaning, types and Characteristics. 2. Weathering: Meaning, types and Characteristics. 3. Erosion: Meaning 4. Landforms associated with Erosional and Depositional work of River, Wind and Glacier.	15
	B) Practical (Theory only)	B. 1. Methods of Showing relief: Hachures, Spot height, Bench Mark, Hill shading, Layer tint and Contour.	

References:

1. Dayal P. A. (1996): Text book of Geomorphology, Shukla Book Depot, Patana.
2. Steers J.A. (1964): The Unstable Earth Some Recent Views in Geography, Kalyani Publishers, New Delhi.
3. Dury G.H. (1980): The Face of the Earth, Penguins
4. Pitty A. (1974) : Introduction to Geomorphology, Methuen, London.
5. Small R.J. (1985) : The Study of Landforms, Mc Graw Hill, New York.
6. Summerfield M.A. (1991) : Global Geomorphology, Methuen, London.
7. Singh Savindar : Physical Geography, Prayag Pustak bhavan, Alhabad.
8. Thorn bury W.D.(1969) : Principal of Geomorphology, Wiley Eastem.
9. Wooldrige S.W. & Morgan R.S. (1959): The Physical Basis of Geography - An outline of Geomorphology, Longman Green & Co, London
10. Sing R.L. Elements of Practical Geography, Kalyani Publishers.
11. खतीब के.ए. – प्राकृतिक भूगोल, संजोग प्रकाशन कोल्हापूर

SOLAPUR UNIVERSITY, SOLAPUR

Class – B.A. I
(Choice Based Credit System)
Semester II
Sub.: Geography (Paper No. II)
Name of the Paper: Physical Geography (Climatology)
(w. e. f. June 2016)

Code No.: OG - 1 Course No.: AOG - 101

No. of Credit: 04 Total Lectures: 60 Total Marks: 100

Course objectives:

1. To sensitize the students about background knowledge of Geography and Climatology.
2. To provide Knowledge about atmospheric phenomena.

Topic No.	Name of the Topic	Details	No. of Lectures
1	Climatology (Weather and Climate)	1. Meaning and Definition of Climatology 2. Composition and Structure of the Atmosphere. 3. Elements of Weather and Climate. 4. Effect of Climate on Human Life	15
2	Insolation and Temperature	1. Meaning of Insolation. 2. Factors affecting on the distribution of Insolation. 3. Terrestrial heat balance. 4. Distribution of temperature - Vertical and Horizontal.	15
3	Atmospheric Pressure and Wind	1. Meaning of Atmospheric Pressure 2. Formation of pressure belts 3. Major global pressure belts and their effects. 4. Planetary winds. 5. Local winds	15

4	A) Humidity B)Practical (Theory Only)	A. 1. Meaning and types of Humidity. 2. Adiabatic lapse rate 3. Equilibrium conditions of atmosphere 4. Forms of Condensation and Precipitation. B. Presentation of Climatic data by – 1. Line graph: Simple and Polygraph 2. Bar graph: Simple and Bargroup.	15

References:

1. Triwartha G. T. (1968): An Introduction to Climate, Mc Gray Hill Bk Co, New York.
2. Lal D. S. : Climatology, Prayag Pustak Bhavan, Alhabad.
3. Sing Savindar (2000): Climatology, Prayag Pustak Bhavan, Alhabad.
4. Miller A. A. (1979): Climatology, B. I. Publication, Calcutta.
5. Howard Chricthfield (1975): General Climatology , Prenties Publication, Delhi
6. खतीब के.ए. – हवामानशास्त्र, संजोग प्रकाशन कोल्हापूर