

SYLLABUS UNDER AUTONOMY

FIRST YEAR B.A. GEOGRAPHY SEMESTER – I

Academic Year 2016-2017

Deccan Education Society's FERGUSSON COLLEGE, PUNE 411004 Scheme of Course Structure (Faculty of Arts)

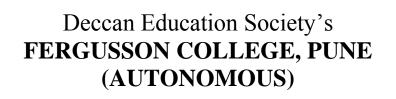
Department: <u>GEOGRAPHY</u>

Semester	Name of Paper	Title of Paper	No. of
			Credits
F.Y. B.A.	Theory Paper - 1	Fundamental of Physical Geography	3
Sem I	(GEO1101)	(Geomorphology) - I	
F.Y. B.A.	Theory Paper - 2	Fundamental of Physical Geography	3
Sem II	(GEO1201)	(Geomorphology) - II	

Semester I: Theory Paper-1 GEO1101 - Fundamentals of Physical Geography (Geomorphology)

Section I (Semester I)

Unit	Unit	Sub-Unit	Number
No.			of
			periods
1.	Introduction to Physical	a. Definition and meaning	06
	Geography	b. Nature and Scope of	
		Physical Geography	
		c. Importance of Physical Geography	
		d. Branches of Physical Geography:	
		Geomorphology, Climatology and	
2.	The Earth	Oceanography a. The earth - its Interior,	12
۷.	THE Latti	a. The earth - its Interior, Composition & Structure	12
		b. Theories of origin of continents &	
		oceans:	
		i. Theory of Isostasy	
		ii. Wegener's Continental Drift	
		Theory	
		iii. Theory of Plate Tectonics	
		iv. Theory of Sea Floor	
		Spreading	
		iv. Holme's Convection Current	
		Theory	
3.	Rocks	a. Rocks- Definition and origin.	07
		b. Type of Rocks and their properties -	
		Igneous, Sedimentary and	
		Metamorphic rocks	
		c. Economic uses of rocks	
4.	Crustal Movements - 1	a. Endogenetic and exogenetic forces	10
		and movements (Vertical and	
		Horizontal) - Definition, Causes	
		b. Classification of Movements: Slow	
		and rapid	
		i. Diastrophic (Slow) movements -ii. Folding and Faulting, Types of	
		folds and faults	
5.	Crustal Movements - 2	i. Rapid movements -	10
<i>J</i> .	Crustur Wio verilents 2	Volcanism and	10
		ii. Earthquakes. Major	
		landforms due to volcanism.	
		Types of volcano, Global	
		Distribution of volcanoes,	
		Intensity and scales of	
		earthquakes, Earthquake	
		waves	
		iii. Earthquake zones of India.	



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FIRST YEAR B.A. GEOGRAPHY SEMESTER – II

Academic Year 2016-2017

Semester II: Theory Paper-2 GEO1201 - Fundamentals of Physical Geography (Geomorphology) - II

Section II (Semester II)

Unit No.	Unit	Sub-Unit	Number of periods
6	Weathering and Mass wasting	 a. Definition of Weathering & Mass wasting b. Types of Weathering- Mechanical, Chemical, Biological and Anthropogenic weathering c. Classification of mass movements: Slide, Fall, Flow d. Types - Soil Creep, Landslide, Debris flow, Avalanche, Mud Flow 	10
7.	Agents of Erosion and Deposition	Processes and Landforms by following agents: a. Rivers.b. Sea-waves.c. Glaciers.	08
8.	Hill Slopes	 a. Meaning & Definition of slope b. Types of slopes and slope segments. Concave, Convex , Terraced, Rectilinear, Free face and Basal concavity c. Uses and importance of slope studies 	06
9.	Applications of Physical Geography - 1	a. Human Activity: i. Human Settlements	05
10.	Applications of Physical Geography-2	 a. Environmental Hazards & Assessment: i. Ground water and drought ii. Tsunami iii. Floods b. Concept of Watershed Management: c. Concept of Conservation of landforms 	04 02 02
		d. Field Visit (One day) for observations and identification of landforms.	08

Reference Books:

- 1. Physical Geography: Science and Systems of the Human Environment, <u>Alan H. Strahler</u>, Wiley & Son, 3rd Edition, 2005.
- 2. Introducing Physical Geography: Alan H. Strahler, Wiley Intl., 6th Edition, 2013.
- 3. Fundamental of Physical Geography: Majid Husain. Rawat Publications, Jaipur. (4th ed.); 2009.
- 4. Physical Geography: Savindra Singh. Pravalika Publications, Allahabad. Paperback edition 2013.

- 5. The Earths Dynamic Surface: Siddhartha K. Kisalaya Publication Pvt Ltd New Delhi; 2015.
- 6. Introduction to Geomorphology: Kale V. & Gupta A.,Oxford University Press, Kolkata; 2001.
- 7. Geomorphology: Savindra Singh. Prayag Pustak Bhawan, Allahabad, 2006.
- 8. Geomorphology: A Systematic Analysis of Late Cenozoic Landforms. Arthur L. Bloom. Waveland Press. 2004.
- 9. The Oxford Companion to the Earth:Ed.Paul Hancock & Brian Skinner. Oxford University Press. 2000.
- 10. Prakrukik Bhugol ani bhurupashastra (Marathi): Shrikant Karlekar, Diamond Publ. Pune, 2014.