



Fergusson College (Autonomous)

Pune

Learning Outcomes-Based Curriculum

for

F.Y.B. A. Geography (General)

With effect from June 2019

Programme Outcome

PO1	Demonstrates in-depth knowledge and understanding about the fundamental concepts, principles and theories in Geography and its various subfields (Physical, Human, Practical)
PO2	Recognizes and understands the importance of sub branches of Physical and Human Geography.
PO3	Demonstrates the skill to identify various processes behind the geographical phenomenon.
PO4	Use various skills related to Practical Geography like Map making and reading, Diagrams & Model making, etc.
PO5	Demonstrates true values of leadership, co-operation, hard work, teamwork, etc. during the field works, surveys and field visits.
PO6	Shows development in the overall personality traits like stage daring, communication skills, presentation which is essential for future career.
PO7	Acquires reasonable knowledge, skills and interest for further learning in Geography.
PO8	Uses new techniques in learning and evaluation such as computer application in presentation and study.
PO9	Demonstrates awareness about current social, economical, political and environmental issues in the society.
PO10	Apply their geographical knowledge and understanding to solve local human and physical problems.

Programme Structure

Year	Course Code	Course Title	Credits
FYBA Sem I	GEO 1101	Geomorphology-I	03
FYBA Sem II	GEO 1201	Geomorphology-II	03
SYBA Sem III	GEO 2301	Fundamentals of Climatology	03
SYBA Sem IV	GEO 2401	Fundamentals of Oceanography	03
TYBA Sem V	GEO 3501	Human Geography	03
TYBA Sem VI	GEO 3601	Political Geography	03

Course Learning Outcomes

Programme Outcome	Courses					
	1	2	3	4	5	6
1	×	×	×	×	×	×
2	×	×	×	×	×	×
3	×	×	×	×	×	×
4	×	×	×	×		
5	×	×				
6			×	×	×	×
7					×	×
8			×	×	×	×
9		×	×	×	×	×
10		×	×	×	×	×

Course Learning Outcome of Geography (General)

CLAS S	Course Code	Course Title	Course Learning Outcome
FYBA			
SEM-I	GEO1101	Geomorphology-I	<p>The learner:</p> <ul style="list-style-type: none"> • Introduce themselves with the basic concepts and principles in Physical Geography. • Understand the structure and composition of the earth with the help of different theories. • Differentiate between various types of rocks and their utility. • Recognizes different crustal movements and their impact in nature. • Acquires the skill of making models and charts of different crustal movements.
SEM-II	GEO1201	Geomorphology-II	<p>The learner:</p> <ul style="list-style-type: none"> • Differentiates between the processes and types of weathering and Mass wasting. • Identifies and explains various landforms of erosion and deposition. • Acquaint themselves

			<p>about utility and application of knowledge of Physical Geography to the environment.</p> <ul style="list-style-type: none">• Becomes aware about the conservation of landforms and nature• Demonstrates true value of co-operation, leadership, hard work, etc in field visits.
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Semester I: Theory Paper-1
Paper Code & Title: GEO1101 - Fundamentals of Geomorphology-I
No. of Credits: 04

Unit No.	Unit	Sub-Unit
1	Introduction to Geomorphology	a. Definition and meaning b. Importance of Geomorphology c. Branches of Geomorphology: Coastal, Fluvial, Quantitative, etc.
2	The Earth	a. The earth – its Interior, Composition & Structure b. Theories of origin of continents & oceans i. Wegener’s Continental Drift ii. Holmes’s Convection Current theory iii. Theory of Plate Tectonics iv. Theory of Isostasy
3	Rocks & Minerals	a. Rocks- Definition ,Types & properties c. Economic uses of rocks
4	Diastrophism	a. Orogenic and Epiorogenic movements b. Folding : concept and Types c. Faulting : Concept and Types
5	Volcanoes and Earthquakes	a. Volcano i) Meaning & Causes, ii) Types of volcano, iii) Landforms of Volcano, iv) Global Distribution of volcanoes, b. Earthquakes i) Meaning & Causes ii) Intensity and scales of earthquakes , Earthquake waves iii) Global Distribution of Earthquakes iv) Earthquake zones of India.
6	Practical	a. Field Visit b. Study of Model Making c. Identification of Rocks d. Finding Epicentre of Earthquake

Semester II: Theory Paper-1
Paper Code & Title: GEO1201 – Fundamentals of Geomorphology-II
No. of Credits: 04

Unit No.	Unit	Sub-Unit
1	Weathering and Mass wasting	a. Weathering : Definition and Types b. Mass wasting : Definition and Types
2	Geomorphic Processes & Landforms	a. Fluvial b. Glacial c. Coastal d. Aeolian
3	Hill Slopes	a. Meaning & Definition of slope b. Types of slopes and slope segments. c. Uses and importance of slope studies
4	Applications of Geomorphology	a. Geomorphology & Slope stability b. Geomorphology & Landuse Assessment c. Concept of watershed management d. Concept of Landform Management
5	Basics of Remote Sensing	a. Aerial Photos : Meaning & Concepts b. Identification of landforms from Aerial photos c. Remote Sensing : Meaning & Concepts d. Platforms & Scanners e. Importance of Remote Sensing in Geomorphology
6	Practical	a. Contors: Meaning & characteristics b. Cross Section of Contors c. Representation of Relief features by Contors

Reference Books:

1. Physical Geography: Science and Systems of the Human Environment, Alan H. Strahler , 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. The Oxford Companion to the Earth: Ed. Paul Hancock & Brian Skinner. Oxford University Press.2000.
9. Principles of Petrology, Tyrrell, G.W., Champman and Hall Ltd., 1978.
10. Introduction to Remote Sensing, James B. Campell, Taylor & Francis Ltd. 2nd Edition,1996.
11. Prakrukik Bhugol aani Bhurupashastra (Marathi): Shrikant Karlekar, Diamond Publication, Pune, 2014.
12. Doorsamvedan aani Bhaugolik Mahiti Pranali (Marathi), Shrikant Karlekar, Diamond Publication, Pune, 2014.