

Academic Council

Item No: _____

Devrukh Shikshan Prasarak Mandal's

NYA. TATYASAHEB ATHALYE ARTS, VED. S.R. SAPRE COMMERCE &

VID. DADASAHEB PITRE SCIENCE COLLEGE, DEVRUKH

[AN AUTONOMOUS COLLEGE AFFILIATED TO UNIVERSITY OF MUMBAI]



Syllabus for First Year Bachelor of Arts

Program: F. Y. B. A.

Course: Geography (Paper-I)

Course Code: UAGEO11

Semester I

Course Title: Geomorphology

Credit Based Semester and Grading System with the Effect from

Academic Year 2019-20

Bachelor of Arts
Revised Syllabus under Autonomy

Semester	Paper Code	Paper	Lectures /Practical s	Evaluation Weightage			Credits
				External	Internal	Total	
Semester I	UAGEO11	Geography Paper-I Geomorphology	60	70	30	100	04
Semester II	UAGEO21	Geography Paper-II Human Geography	60	70	30	100	04

Syllabus for First Year BA Programme in the subject of Geography

(With effect from the academic year 2019-2020)

SEMESTER-I

Geography Paper – I: Geomorphology

COURSE CODE: ASPCAUGEO101

Credits - 04

Learning Objectives			
<ul style="list-style-type: none"> ➤ The course provides an overview of the Geomorphology, the interior of the earth, earth movements, landforming processes, and practical component based on it. ➤ It aims to shed light on the definition, nature, and scope of geomorphology, the composition of the earth interior, the role of plate tectonics in folding, faulting, volcanic eruption and earthquake, and geomorphic processes in the development of landforms with special reference to the Konkan region. ➤ The course shall further convey an understanding of landforming processes on different temporal and spatial magnitudes. 			
COURSE CONTENT			
Topic No.	Content	Credits	No. of Lectures
1	Geomorphology and Interior of the Earth <ul style="list-style-type: none"> ○ Definition & meaning of Geomorphology ○ Nature of Geomorphology ○ Scope of Geomorphology ○ Composition, and Structure of the Interior of the Earth ○ Rocks and Minerals 	01	15
2	Earth Movements: <ul style="list-style-type: none"> ○ Plate Tectonics ○ Folding: Causes and Forms ○ Faulting: Causes and Forms ○ Volcanoes: Causes and Forms ○ Earthquakes: Causes and Forms 	01	15
3	Geomorphic Processes and Landforms: <ul style="list-style-type: none"> ○ Weathering: Concept and Classification ○ Mass Movement: Concept and Classification ○ Fluvial Landforms – Erosional and Depositional ○ Coastal Landforms – Erosional and Depositional ○ The cycle of Erosion (Davis) 	01	15

Topic No.	Content	Credits	No. of Lectures
4	<p>Practical: Part A</p> <ul style="list-style-type: none"> ○ Scales – Concept, and application; Conversion of Scale and Construction of Graphical Scale. ○ Map Projections – Classification, Properties and Uses; Graphical Construction of Polar Zenithal Equal Area Projection, Mercator’s Projections, and reference to Universal Transverse Mercator (UTM) Projection. ○ Concept of Contours ○ Calculation of gradient (with H.E. and V.I.) – ○ Drawing of sections to depict Contour Landforms (Coastal and Fluvial) ○ Slope Analysis – Wentworth’s method <p>Practical: Part B</p> <ul style="list-style-type: none"> ○ Field Visit and Sketching for field-based project based on First to third topics 	01	15
	Total	04	60

Practical Record: A journal comprising one exercise each needs to be submitted by the student.

Learning Outcomes

On completion of the course the student should have the following learning outcomes defined in terms of knowledge, skills and general competence:

Knowledge

The student can explain nature and scope of Geomorphology, the interior of the earth, types of rocks and minerals, plate tectonics on the earth surface and its relation with folding, faulting, volcanic eruptions and earthquakes, landforming processes with special reference to Konkan region and will understand the basics of scale, map projects and contours.

Skills

The student can plan and carry out a geomorphological field investigation in the locality and identify the basic types of rocks and minerals in the region.

General competence

The student can apply a precise geomorphological language to describe and discuss geomorphological processes and may prepare a contour map of a region.

Required Previous Knowledge

Knowledge of fundamentals of Geography, branches of Geography, basics of units of measurement and its conversion is necessary before to start to learn the course

Access to the Course

The course is available for all the students admitting for Bachelor of Arts.

Forms of Assessment

The assessment will be external as well as internal. **The pattern of external and internal assessment will be 70:30.** The question paper pattern will be as given below.

External evaluation (70 Marks)

Question Paper Pattern

Time: 2.5 hours

Question No.	Unit/s	Question Pattern	Marks
Q.1	All	a) Fill in the Blanks- 05 marks b) Match the following- 05 marks c) Write answers in a single sentence- 04 marks	14
Q.2	Unit-1	Attempt any two questions from the followings a) Descriptive Knowledge-Based Question b) Descriptive Skill-Based Question c) Descriptive Applied Question	14
Q.3	Unit-2	Attempt any two questions from the followings a) Descriptive Knowledge-Based Question b) Descriptive Skill-Based Question c) Descriptive Applied Question	14
Q.4	Unit-3	Attempt any two questions from the followings a) Descriptive Knowledge-Based Question b) Descriptive Skill-Based Question c) Descriptive Applied Question	14
Q.5	Unit-4	Attempt any two from the following a) Skill-Based Question-Scale b) Skill-Based Question- Map Projection c) Skill-Based Question- Contour d) Applied Question- Slope Analysis	14
Total			70

Internal evaluation (30 Marks)

Sr. No.	Description	Marks
1	Test (Preferably Online Test with Fifteen Minutes Duration- MCQ, Match the following, True or False, etc.)	10
2	Practical Record File as mentioned in unit IV Practical Part A Or Field Project as mentioned in unit IV Practical Part B	10
3	Overall Conductance	10
Total		30

Grading Scale

The grading scale used is O to F. Grade O is the highest passing grade in the grading scale, grade F is a fail. The Board of Examinations of the college reserves right to change the grading scale.

References:

1. Singh, Savindra (2015): "Physical Geography", Pravalika Publications, Allahabad
2. Bunnett, R. B. (1965): "Physical Geography in Diagrams", Parson Education, New Delhi
3. Lal, D. S. (2009): "Physical Geography: Sharada Pustak Bhavan, Allahabad
4. Qazi, S. A. (2009): "Principles of Physical Geography", APH Publishing Corporation, New Delhi
5. Negi, B. S. (1993): "Physical Geography", S. J. Publications, Meerut
6. Strahler, A. H. and Strahler, A. N. (1992): "Modern Physical Geography", John Willey & Sons, INC, New York
7. Hussain, Majid (2001): "Fundamentals of Physical Geography", Rawat Publications, Jaipur
8. Dayal, P. (2010): "A Text Book of Geomorphology", Rajesh Publications, New Delhi
9. Thornbury, W. (1993): "Principles of Geomorphology", Wiley Eastern Limited, New Delhi
10. Sparks B. W. (1988): "An Introduction to Geomorphology", Longman, London
11. Mishra, B. (2008): "Interpreting Contours and Topographical Maps", Frank Bros. and Co., New Delhi
12. Singh, L. R. (2009): "Fundamentals of Practical Geography", Sharda Pustak Bhavna, Allahabad
13. Mishra, R. P., and Ramesh, A. (2002): "Fundamentals of Cartography", Concept Publishing Company, New Delhi