

Structure /Pattern of syllabus- F.Y.B.A

1. Title of the course – **Gg- 110- Elements of Geomorphology (G-1)**
2. Preamble of the syllabus
 - i. To introduce the students to the basic concepts in Geomorphology.
 - ii. To introduce latest concepts in Geomorphology.
 - iii. To acquaint the students with the utility and application of Geomorphology in different regions and environment.
 - iv. To make the students aware of the need of protection and conservation of different landforms.
3. Introduction: Pattern –**Annual (20 marks internal -80 marks University)**
4. Eligibility- **12th pass any faculty**
5. Examination-
 - A. Pattern of examination-
 - i (Internal term end and University exam),**
 - ii. Pattern of question paper- 20-80**

Internal Exam- 60 Marks = (converted to 20 marks)

University Exam- 80 Marks =

- B. Standard of passing- Internal -08- University -32= Annual marks 40**
- C. ATKT rules- No**
- D. Award of class- F.Y.B.A. Pass**
- E. External students- F.Y.B.A. Pass**
- F. Setting of question papers / pattern of question paper**

Internal Exam- 60 Marks = (converted to 20 marks)

Question 1. Answers in 20 words- 14marks (any 7out of 10)

Question 2. Answers in 50 words -08 marks (any 2out of 4)

Question 3. Answers in 150 words- 18 marks (any 3 out of 5)

Question 4. Answers in 300 words- 20 marks (any 1 out of 2)

University Exam- 80 Marks =

Question 1. Answers in 20 words- 20 marks (any 10 out of 15)

Question 2. Answers in 50 words -10 marks (any 2out of 4)

Question 3. Answers in 150 words- 20 marks (any 2 out of 4)

Question 4. Answers in 300 words- 30 marks (any 2 out of 4)

G. Verification / Revaluation- Yes

6. Structure of the Course
 - a. Compulsory paper- **F.Y.B.A. General**
 - b. Optional paper- **No**
 - c. Question paper and papers etc - **One**
 - d. Medium of instructions- **Marathi and English**
7. Equivalence of previous syllabus along with propose syllabus- **yes**
8. University terms- **Annual**
9. Subject wise detail syllabus – **As per attached sheets**
10. Recommended books- **Mentioned in Syllabus**

Qualification of teacher- **M.A./M.Sc(Geography), as per UGC and University norms**

Equivalence of Syllabus in Geography (F.Y.B.A.) effective from June 2013

Old Syllabus June 2008		New Syllabus June 2013	
Gg-110	Physical Geography	Gg-110	Elements of Geomorphology

Gg- 110 -Elements of Geomorphology (G-1)
Revised Syllabus (from June, 2013)

Objectives:

- I. 1. To introduce the students to the basic concepts in Geomorphology.
- II. To introduce latest concept in Geomorphology
- III. To acquaint the students with the utility and application of Geomorphology in different regions and environment.
- IV. To make the students aware of the need of protection and conservation of different landforms

Section I			
Unit No.	Unit	Sub Unit	No. of periods
1	Introduction to Geomorphology	a. Introduction to Physical Geography and its branches b. Geomorphology- Definition, Nature and Scope	8
2	Fundamental Concepts of The Earth	a. The Earth Size, Shape, Radius, Circumference, Parallels of Latitudes and Meridians of Longitudes. b. Time: Local time and Standard time, Time Zone and International Date Line.	6
3	The Earth	a. The earth – its Interior, Composition & Structure b. Origin of Continents and Ocean basin i. Wegener’s Continental Drift Theory ii. Theory of Plate Tectonics- iii. Theory of Sea Floor Spreading	5 6
4	Rocks	a. Rock- Definition and origin. b. Type of Rocks- Igneous, Sedimentary and Metamorphic rocks	5 5
5	Crustal Movements	a. Internal Movements- Definition, Causes b. Classification of Movements i. Slow movements- Folding and Faulting ii. Rapid movements – Volcanism and Earthquakes	5 5

Section II

6	Weathering	a. Definition of Weathering, b. Type of Weathering- Mechanical, Chemical, biological and Anthropogenic weathering c. Hydrological cycle	6
7	Agents of Erosions and Depositions	Landforms created by following agents a. Rivers. b. Sea-waves.	6
8	Mass Wasting	Concept – Type – Soil Creep, Landslides, Debris flows, Avalanches, Mud Flow	8
9	Slopes	Meaning & Definition of slopes, Types and slope segments Concave, Convex , Terraced, Rectilinear	6
10	Applications of Geomorphology	a. Human Activity: i. Settlement ii. Transport iii. Landuse iv. Mining v. Resource Evaluation b.Environmental Hazards & Assessment: i. Landslides ii. Tsunami iii. Soils Degradation iv. Floods c. Watershed Management: d.Field Visit (Not more than two days) for observations and identification of landforms.	6 5 4 4

Reference Books:

- 1 Physical Geography, Strahler. A.A. and Strahler A.N. 2002
- 2 Morphology and Landscape, H. Robinson, University Tutorial Press Ltd, London
- 3 The Face of Earth, Penguins 1980, Dury G. H.,
- 4 Introduction to Geomorphology, Oxford University Press, Calculatta 2001, Kale V. & Gupta A.
- 5 Geomorphology, Prayag Pustakalay, Alahabad, 1988, Singh Savinder
- 6 Prakrukik Bhuvigyan, Arvind Bhagwat, Shrikant Karlekar
- 7 Sugam Prakrutik Bhuvigyan, Prof. Suresh Date, Mrs. Date
- 8 Prakritik Bhugol, Part 1 & 2, W. R. Ahirrao, T. M. Varat, S. S. Alizad
9. Prakritik Bhugol, A. B. Savadi & P.S. Kolekar, Niralo Prakashan
10. Science and Systems of the Human Environment, John Wiley & Sons INC
11. Siddhartha K, 2001, The Earths Dyanamic Surface- Kisalaya Publication Pvt Ltd New Delhi