

GEOMORPHOLOGY- COURSE MANAGEMENT AND ADVISORY

Geomorphology is the most technical and scientific topic of Geography optional Paper-I. The topic is derivative from General Geology. The entire section of Geomorphology is conceptual, less analytical, factual, very illustrative and scientific. Geography doesn't study Geomorphology in a scientific manner; it studies in a descriptive manner. However, it pays to study these topics in a scientific a manner from a geological perspective, as logic never goes out. One can easily score a minimum of 30-40 marks in Paper I and by applying concepts of this in Paper –II to the tune of least 20-30 marks.

The topics of Geomorphology require an intensive study and are very conceptual in nature. The usefulness of new geological and geomorphological findings are very significant. At the same time, some new current information requires incorporation.

In order to cast an impression on the examiner, Geomorphology is one segment to use for and go for.

The Syllabus

1. Factors controlling landform development;
2. endogenetic and exogenetic forces;
3. Origin and evolution of the earth's crust;
4. Fundamentals of geomagnetism;
5. Physical conditions of the earth's interior;
6. Geosynclines;
7. Continental drift;
8. Isostasy;
9. Plate tectonics;
10. Recent views on mountain building;
11. Vulcanicity;
12. Earthquakes and Tsunamis;

13. Concepts of geomorphic cycles and Landscape development ;
14. Denudation chronology;
15. Channel morphology;
16. Erosion surfaces;
17. Slope development ;
18. Applied Geomorphology :
19. Geohydrology,
20. Economic geology and environment.

The entire syllabus of Geomorphology can be classified into two ways –Somewhat Descriptive and Simple, and the other Scientific and Advanced

Descriptive and Geographical Portion

1. Factors controlling land form development
2. Endogenetic and exogenetic forces
3. Physical conditions of the earth's interior
4. Continental drift
5. Geosynclines
6. Isostasy
7. Landscape development

Descriptive and Advanced Geographical Portion

8. Concepts of geomorphic cycles and Landscape development
9. Slope development
10. Denudation chronology
11. Channel morphology
12. Erosion surfaces

Scientific and Advanced Portion

1. Plate tectonics
2. Origin and evolution of the earth's crust
3. Recent views on mountain building
4. Vulcanicity
5. Earthquakes
6. Tsunamis
7. Fundamentals of geomagnetism
8. Applied Geomorphology
9. Geohydrology
10. Economic geology

Relations with GS

The section is heavily presented in GS Mains. This includes

1. Salient features of world's physical geography.
2. Important geophysical phenomena such as earthquakes, tsunami, volcanic activity, cyclone etc.
3. Geographical features and their location
4. Changes in critical geographical features (including water bodies and ice-caps) and in flora and fauna and the effects of such changes

Thus, one can be sure of 20-40 marks in GS Paper I.

In the Prelims section, questions from Physical Geography can fetch you 6-10 marks.

What the students Get

- Physical Geography by K. Siddhartha
- Modern Dictionary of Geography by K. Siddhartha & S.Mukherjee

Additional material that the students can go for

Absolutely not needed

Learning Sequencing and chapter structure

The course sequencing is not per the syllabus. This is done to provide concept to the candidates. If the candidates follow the one topic after another as per the syllabus they will never follow the concept. Hence the sequencing and reordering has been done to students benefit

How best to utilise it

Before picking Geomorphology to study, the candidate must have studied and understood three chapters-Rocks, Geological history and Basic Physics. Now Go Online and follow this sequence.

1. First read the topics
2. Listen to the explanation
3. Now use the summary
4. You have some model answers. Use only questions from model answers to write
5. Now compare your answers with the model
6. Ensemble will keep you updating on current affairs regularly on this topic
7. Keep an eye on updates

Geomorphology

Geomorphology

SEQUENCE	TOPICS	CHAPTER AND STUDY MATERIAL	MULTIMEDIA	CLASS LECTURE-	SYNOPSIS & LECTURE FORMAT	QUESTION BANK	MODEL ANSWERS
1	Factors controlling Landform development	Physical Geography-KS	Studio shoot with animations		Included ☐	Included ☐	Included ☐
2	Physical conditions of the earth's interior	Physical Geography-KS	Studio shoot with animations		☐	☐	☐
3a	Crust & Ocean Bottom Relief	Physical Geography-KS		Siddhartha Sir	☐	W2222 2222- 22222 222	-----
3b	Endogenetic forces	Physical Geography-KS	Studio shoot with animations		☐	☐	☐
4	Isostasy	Physical Geography-KS	Studio shoot with animations		☐	☐	☐
5	Continental drift	Physical Geography-KS	Studio shoot with animations		☐	☐	☐
6	Fundamentals of geomagnetism	Physical Geography-KS	Studio shoot with animations	Siddhartha Sir	☐	☐	☐
7	Plate tectonics	Physical	Studio shoot with	Siddhartha	☐	☐	☐

		Geography-KS	animations	Sir			
8	Origin and evolution of the Earths Crust	Physical Geography-KS	Studio shoot with animations			☐	☐
9	Geosynclines	Physical Geography-KS	Studio shoot with animations		☐	☐	☐
10	Recent views on mountain building	Physical Geography-KS	Studio shoot with animations		☐	☐	☐
11	Vulcanicity	Physical Geography-KS	Studio shoot with animations	Siddhartha Sir	☐	☐	☐
12	Earthquakes	Physical Geography-KS	Studio shoot with animations		☐	☐	☐
13	Tsunamis	Physical Geography-KS	Studio shoot with animations	Siddhartha Sir	☐	☐	☐
14	Exogenic movements	Physical Geography-KS	Studio shoot with animations	Siddhartha Sir	☐	☐	☐
15	Landscape development	Physical Geography-KS	Studio shoot with animations		☐	☐	☐
	Fluvial landforms						
16	Geohydrology	Physical Geography-KS		Siddhartha Sir	☐	☐	☐
16	Karst landform						
17	Arid						
18	Marine						
19	Glacial						
20	Channel	Physical	Studio shoot with	Siddhartha	☐	☐	☐

	morphology	Geography-KS	animations	Sir			
21	Concepts of geomorphic cycles	Physical Geography-KS		Siddhartha Sir	☐	☐	☐
22	Slope development	Physical Geography-KS		Siddhartha Sir	☐	☐	☐
23	Denudation chronology	Physical Geography-KS	Studio shoot with animations	Siddhartha Sir	☐	☐	☐
24	Erosion surfaces	Physical Geography-KS	Studio shoot with animations	Siddhartha Sir	☐	☐	☐
25	Economic geology and environment	Physical Geography-KS	Studio shoot with animations	Siddhartha Sir	☐	☐	☐
26	Applied Geomorphology	Physical Geography-KS		Siddhartha Sir	☐	☐	☐

Post Script- General Directions after Course

- Learn how to write answers from your you tube channel and the various answer directives.
- Go through the Question Bank and observe the type of Questions asked.
- Interpretation and understanding of the question is the most important criteria.
- Pick up some questions given in your answer bank and write them on your own.
- Then compare these answers with the answers given to you.
- Repeat this process more than once.
- Then go through the entire answers given to you.
- Now start writing independent answers.
- Special emphasis must be given to drawing correct illustrations. Practice correct illustrations.
- Presentation should be in good legible writing and simple language with:
 - Use of maps, flowcharts and diagrams
 - Use of examples and case studies to support the answer
- Adherence to word limit is advised.
- For answer evaluation you can join the test series and send cam scanned copies to Ensemble.