

Study Guide for the Third Exam

Weathering (Chapter 12)

- 1) Chemical Weathering
- 2) Mechanical Weathering
- 3) Special Weathering Types
 - a) Spheroidal Weathering and Exfoliation
 - b) Differential Weathering

Mass Wasting (Chapter 13)

- 1) Factors Influencing Mass Wasting
- 2) Types of Mass Wasting (Table 9.1)
- 3) Evidence of Creep
- 4) Types of Debris Flows

Streams and Floods (Chapter 16)

- 1) Drainage Patterns
- 2) Stages of Development of Streams
- 3) Factors Influencing Stream Erosion and Deposition
- 4) Stream Erosion
- 5) Stream Deposition

Groundwater (Chapter 17)

- 1) The Water Table and Movement of Ground Water
- 2) Aquifers
- 3) Effects of Groundwater
 - a) Karst Topography
 - b) Other Effects

Deserts and Wind Action (Chapter 18)

- 1) Distribution of Deserts and Reasons for their Distribution
- 2) Characteristics of Deserts
- 3) US Desert Areas
- 4) Wind Erosional Features
- 5) Wind Depositional Features (Including Dune Types)

Glaciers and Glaciation (Chapter 19)

- 1) The Glacial Budget
- 2) Types of Glaciers
- 3) Glacial Erosion and its Features
- 4) Glacial Deposition and its Features
- 5) Past Glaciations (and Future) and their Causes

Waves, Beaches and Coasts (Chapter 20)

- 1) Parts of the Wave
- 2) Near Shore Circulation
 - a) Longshore Currents
 - b) Rip Currents
 - c) Wave Refraction
- 3) Erosional Coasts
- 4) Depositional Coasts
- 5) Other Coasts
 - a) Drowned Coastlines
 - b) Uplifted or Tectonic Controlled Coasts

I will ask you eight essay questions from this list of topics. You will be only required to answer five of those questions. There will also be a bonus question. The essay section of the test is worth 50 points. The multiple choice part of the exam is also worth 50 points.