

GEOGRAPHY

FIRST PAPER

Full Marks : 200

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Distinguish between weathering and erosion.
Explain the various processes of chemical weathering. 6+9=15
2. Identify the forces responsible for the epeirogenic and orogenic movements on the earth. Elaborate with special reference to the Gondwanaland and Himalayan system. 8+7=15
3. W. M. Davis stated that "Landform is a function of structure, process and stage". Explain his statement. 15
4. Write short notes on (any three) : 5×3=15
 - (a) Dynamic equilibrium
 - (b) Bird's-foot of delta
 - (c) Peneplain
 - (d) Epicenter
 - (e) Isostasy

5. Classify the world into different climatic zones and explain the characteristic features of monsoonal climate. $8+7=15$
6. What is air mass? Make a detailed classification of air mass based on its sources and characteristics $6+9=15$
7. Explain about the different factors which are responsible for the ocean water salinity. Briefly discuss the horizontal distribution of salinity on oceans and seas. $8+7=15$
8. Discuss the mid-Atlantic ridge in terms of its origin, extent and relief. $5+5+5=15$
9. What is a solum? Elaborate the characteristic features of zone of illuviation and eluviation. $5+10=15$
10. Write short notes on any three : $5 \times 3 = 15$
- (a) Zoo-geographical regions of the world
 - (b) Men's impact on ecosystem
 - (c) Men's response to different geographical environment
 - (d) Factors of population growth
 - (e) Conservation of environment

11. Divide the world into major cultural realms. Explain the North American cultural realm in detail. 8+7=15
12. What are the various sources of power? Discuss the origin, distribution and exploration of petroleum with special reference to North-East India. 15
13. Answer any *four* questions in brief : 5×4=20
- (a) What is the main theme of possibilistic school of thought?
 - (b) Which are the major water transport routes of the world?
 - (c) What does globalization refer to?
 - (d) What do you mean by dynamic concept of resources?
 - (e) What is man-induced hazard?
 - (f) What is Blue Revolution?
 - (g) What are the major iron and steel industrial regions of the world?
