

COMBINED COMPETITIVE EXAMINATION (MAIN)

GEOGRAPHY

Paper—I

Time : 3 hours

Full Marks : 200

Note : (1) The figures in the right-hand margin indicate full marks for the questions.

(2) Attempt **five** questions in all.

(3) Question No. **1** is compulsory.

1. Answer any *ten* questions from the following : 4×10=40

- (a) Compare and contrast the valley width-depth ratio in different stages of the Davisian cycle of erosion.
- (b) What is Jig-saw-fit? What is the relation of mid-Atlantic ridge with the continental drift theory?
- (c) What are the roles of different inert gases in the atmosphere?
- (d) Write the composition of stratosphere. What role is played by this layer in climate change?
- (e) Why is soil called an anisotropic body? What is soil indicatrix?
- (f) Classify soil erosion and define each of them.
- (g) What is ooze? Classify ooze and bring out their characteristics.
- (h) What is meant by biological hotspot? What measure should be taken to preserve those hotspots?
- (i) What are the main causes of ecosystem dynamics?
- (j) Write a brief note on the biotic components of ecosystem.
- (k) What are the different types of ecological interactions?
- (l) Give the relationship between migration and transport.

