

PHYSICAL GEOGRAPHY.

NOTE.—Answer any eight. A laboratory note book signed by the pupil and certified to by the instructor may be offered for 25 of the 100 points of the examination. In this case the last two questions will be omitted and any six of the remaining seven answered. Time, two hours.

1. (a) Why is the rainfall of western Nebraska very small as compared with that of Ohio?

(b) Why is the temperature of Sitka, Alaska, approximately the same as that of Boston, Mass., much farther south?

(c) Account for the daily land and sea breezes on the California coast.

2. (a) Account for the wet and the dry seasons in Central America.

(b) Account for our usual change of seasons.

(c) Compare weather and climate.

3. Discuss mantle rock, sinkhole, deltas, dew point, isobar, super-imposed stream, tornado.

4. Describe a journey from the source to the mouth of a mature river system, including the character of the stream and its valley and the incidental features likely to occur.

5. Name and describe a young mountain system in the United States, an old mountain system, a pene-plain.

6. Give a concise description of a valley glacier; its origin, character, and work.

7. Review the history and character of the St. Lawrence or the Colorado river system.

8. Show either (a) how the Appalachian mountain system influenced the exploration, settlement, and political allegiance of the eastern part of North America up to the Revolutionary war, or (b) how it influenced the subsequent development and growth of commerce in the United States.

9. Describe the life history of a coast line.