

University of the State of New York
Examination Department
131st examination
PHYSICAL GEOGRAPHY

Tuesday, June 11, 1895—1:15 to 4:15 p. m., only

100 credits, necessary to pass, 75

Answer 10 questions but no more. If more than 10 questions are answered only the first 10 of these answers will be considered. Each complete answer will receive 10 credits.

1 Find the actual time at Calcutta, $88^{\circ} 23' 34''$ E. lon. when it is 6 a. m. Tuesday, standard time at New York.

2 Account for earthquakes, for the fact that they are most prevalent in volcanic regions and that they occur more frequently in winter than in summer.

3 Describe the general distribution and form of land masses on the earth.

4 Name *two* classes of islands. Name an important island of each class, locate it, describe its physical features and tell how it was formed.

5 Show how land masses alter the direction of ocean currents and how in turn ocean currents modify the climate of land masses.

6 Describe the drainage of New York state.

7 Compare the drainage of North America with the drainage of Africa.

8 Show why isothermal lines do not coincide with parallels of latitude. Consider at least *four* reasons.

9 Account for the direction of rotation and the direction of progression of cyclones in the southern hemisphere.

10 Describe the various forms of clouds and discuss the atmospheric conditions that precede and those that succeed rainfall.

11 Account for the formation and motion of glaciers.

12 Name *five* important building stones, describe the appearance of each and mention the characteristics of each that fit it for its specific uses.

13 Name *five* important food plants. Name conditions necessary to the growth of each and mention *two* widely separated localities where these conditions are met and consequently where the plants are grown.

14 Compare the characteristic animals of the Australian region with those of the North American region.

15 Account for the difference in intellectual development between the Caucasian and the Mongolian races.