

GEOGRAPHY.

Examiner.....H. ASPINWALL HOWE, M. A., LL.D.

1. State some of the causes which determine climate. Name countries and places which may illustrate your answer.
2. Give the names and position of the great lakes in Central Africa discovered within the last 30 years. Trace the course of the Nile, the Congo and Zambesi.
3. A ship sails from the Sea of Azov to Cronstadt in the Baltic. Mention the seas and straits she will traverse, and the principal towns, capes, etc., she will pass by.
4. What facilities for communication have been effected by the Suez Canal, and will be effected by the Panama Canal?
5. Where and what are:—Alaska, Delhi, Khartoum, Mandalay, Riga, Socotra, the Garenne, Port Said, the Caucasus, Baikal?

ARITHMETIC.

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NOTE.—The full working of each question must be given.

1. If 1 qr. 23 lbs. be the quotient, 672 the divisor, and 1 qr. 19 lbs. the remainder, what is the dividend? Obtain the answer without reducing the quantities to lbs., and by using the factors of 672.
2. Divide \$85.50 among A, B and C, so that B's share may be $\frac{1}{4}$ of A's, and that C may have \$9 more than A and B together.
3. Simplify without converting into vulgar fractions:

$$\frac{.0088425 - .00183}{.065}$$
4. A substance, in undergoing a process, lost 42 per cent. of its weight, which after the process was 1102 lbs. What was the weight before the process?
5. When the Three per Cent. Stock is at 96, I can obtain £1 more of annual income than when it is at 97. How much money have I to invest?