

8. Find the interest on £4,350 from February 1st, 1896, to June 26th, 1896, at $7\frac{1}{2}$ per cent. per annum.

9. The length of a room exceeds its breadth by one-third of the latter. The area of the floor is $216\frac{2}{3}$ square feet. Find its length and breadth.

10. A sum of £204 7s. is to be divided between four persons, A, B, C, D, so that, for every 5s. that A receives, B has 4s. 6d.; for every 6s. B has, C gets 5s.; and for every 7s. 6d. C receives, D has 7s. Find how much is paid to each.

11. What do you understand by the prime factors of a number? Give rules for ascertaining when a number is divisible by 2, 3, 4, 5, 6, 9, and 11 respectively. Resolve into its prime factors 63063.

Geography.—For Class D. Time allowed: 3 hours.

1. Why do degrees of latitude vary in length? State the difference between the longest and the shortest degrees.

2. Suppose two pendulums to be set in motion, one tracing its path upon the earth's surface at the Equator, the other at the North Pole: what form would the tracings respectively take in twenty-four hours?

3. Why is the summer within the Northern Hemisphere longer than that in the Southern? What is the extent of the difference?

4. In what parts of the earth are there tracts destitute of rainfall? State the cause in each case.

5. What do you know about geographical discovery within the Arctic Circle?

6. State the chief physical obstacles to the connection of Nelson with the general railway system of the South Island, and of Gisborne with that of the North Island.

7. Write a descriptive essay on each of the following places: The Taupo Plains, Banks Peninsula, and the Waitemata Harbour.

8. Give a descriptive account of British Guiana.

9. Contrast New Zealand and Japan with regard to position, area, physical characteristics, inhabitants, natural products, and exports.

10. Describe the course of the River Thames, indicating the principal places of historical interest on its banks.

Geography.—For Class E, and for Junior Civil Service. Time allowed: 3 hours.

1. Draw a diagram to illustrate the phases of the moon, and show how they are caused. What time is required to complete the cycle?

2. If twenty meridians divide the surface of a globe into twenty equal parts, how many degrees are the meridians apart? If it is 12 o'clock on one of these meridians what time is it on the next to the west and on the next to the east?

3. Draw a sketch-map of England and Wales, showing the course of the most important rivers, the position of the chief ports, and the principal manufacturing towns.

4. Name the chief natural and manufactured products imported into Great Britain from China, Switzerland, United States of North America, Chili, India, Russia, and Italy respectively.

5. State what you know about Armenia. Describe its boundaries, chief rivers, and most important towns.

6. What countries or districts are separated by the following straits: Straits of Bab-el-Mandeb, Foveaux Strait, Magellan Straits, Strait of Kertch, Menai Strait, Palk Strait, Strait of Ormuz?

7. Write a short note on each of the following places: Berlin, Geelong, Toulon, Dresden, New York, Port Arthur, Caracas, Coolgardie, New Westminster, Tornea, Edinburgh.

8. Name the countries intersected by the Tropic of Cancer and the Tropic of Capricorn respectively.

9. Give a detailed account of the journey from New Plymouth to Milford Sound, *via* the Bluff, by land and sea, availing yourself of a railway whenever possible.

10. State the position of the following places: Mercury Bay, Dusky Sound, Bay of Islands, Queen Charlotte's Sound, Akaroa. What incidents in the history of New Zealand are associated with each?

History.—For Class D. Time allowed: 3 hours.

1. Give a brief sketch of the history of the Anglo-Saxons, or Early English, between 449 and 1066 A.D.

2. Mention the chief events in the reign of Edward III.

3. What do you know of the Roman Catholic plots in the reign of Queen Elizabeth?

4. Tell what you know of the following in the reign of James I.: Plantation of Ulster; colonies and voyages; translation of the Bible.

5. Compare the foreign policy of Cromwell with that of Charles II.

6. Give some notion of the social condition of England in the reign of Queen Anne.

7. Describe the foreign policy of the Pitt Administration of 1757–61, and point out its important results.

8. Indicate the progress made in the growth of religious toleration between 1603 and 1837.

9. What do you know of Peterborough, Perceval, Peel, Huskisson, Grey?