2. Divide 16 tons 3 cwt. 1 qr. 20 lb. by 18⅞.

3. A gentleman spent a guinea and a half daily during the year 1878, and paid besides on the 1st of every month £23 5s. for wages: how much did he save out of an income of £1,000?

4. A log of kauri pine measures in section 5 ft. 3 in. by 4 feet 6 in.; what length of it must be cut off to obtain 630 cubic feet of timber.

5. Find, by Practice, the rent of 142 acres 3 roods 36 poles at £1 6s. 3d. per acre.

6. Simplify $2\frac{2}{3}$ of $\dfrac{1\frac{1}{7}}{3\frac{1}{5}}$ of $\dfrac{4\frac{2}{3} \text{ of } 2\frac{1}{4}}{7\frac{1}{2}}$, and $\dfrac{5\frac{1}{5} - 4\frac{1}{4}}{\frac{1}{4} - \frac{1}{8}} \div \frac{4}{5}$ of $3\frac{4}{5}$.

7. What fraction of half a guinea is ⅓ of 14s. 6d.?

8. Explain the nature of a decimal fraction; and show the effect on the value of a decimal of prefixing and of annexing cyphers to the significant figures.

9. State and prove the rule for converting a pure circulating decimal into a vulgar fraction.

10. Divide 9·333 by ·0144, and also 3·18 by ·145.

11. Find the value of ⅔ of 13s. 1½d. + 1·72 of 6s. 3d. − 2·16 of 5s.; and express it as the decimal of £2 11s.

12. If 3¾ yards of cloth cost £1 2s. 6d., what will be the price of 11·55 yards?

13. A contractor has to ballast 45 miles of railway in 12 weeks, and at the end of 3 weeks finds that with 42 men he has only completed 5 miles: how many additional men must he engage in order to finish his undertaking within the contract time?

14. Extract the square root of ·6 to six places of decimals.

15. At what rate per cent. will £120 amount to £147 in 5 years at simple interest?

16. A legacy of £1,500 is payable at the end of two years: find its present value, allowing compound interest at 5 per cent. per annum.

17. When Six per Cent. Preference Stock of the Great Northern Railway is quoted at 124, and New Zealand Five per Cent. Stock at 104, which of the two is the better investment?

18. A sold to B at a profit of 25 per cent. a section which had cost him £180, and B sold it again to C, making a profit of 10 per cent. If A had sold the section directly to C at the same price that C paid for it, what would he have gained, and what would have been his gain per cent.?

CLASS D.—GEOGRAPHY.—Examiner: Professor Cook, M.A.

Wednesday, March 26th.— Afternoon, 2.30 to 5.30.

1. Explain the meaning of the terms—tropic, archipelago, meridian, river-basin, water-parting, ecliptic.

2. Give an account of the mountain system of Europe.

3. Trace the course of a steamer which sails from London to Calcutta, thence to Wellington, returning to England by way of Cape Horn. Mention the oceans, seas, &c., through which it will sail, and any important capes near which it will pass.

4. Draw an outline map of America, exhibiting its mountain and river systems.

5. Characterize the physical features of the North Island of New Zealand.

6. What and where are the following: Tobolsk, Aland, Winnipeg, Saigon, Darling, Sorata, Niphon, Sutledge, Wanaka, Lemberg, Gilolo, Cattegat, Perekop, Upsala, Tararua, Brisbane, Baikal, Messina, Patna, Stromboli?

7. Draw an outline map of Australia, exhibiting its political divisions, and the positions of the most important towns.

8. Enumerate the principal British possessions which are situated in America, or which lie near its coast. Explain the position of each, and give its chief towns.

9. Give the boundaries of Hindostan, its various divisions, and the chief towns of each division.

10. Explain the principal causes which influence the climate of a place.

11. How does the captain of a ship usually determine his place at sea?

CLASS D.—ENGLISH HISTORY.—Examiner: Professor Brown, M.A.

Tuesday, March 25th.—Morning, 10 to 1.

1. What ambitious projects had France in England before the Norman Conquest?

2. Discuss the causes of the fall of the West Saxon kingdom.

3. Compare Canute as conqueror with Canute as king.

4. Show the importance of the growth of boroughs under the Norman kings.

5. Was King John more than a weak voluptuary? Discuss the question.

6. Enumerate the kings who were devoted to aliens, and the disasters that arose from this tendency.

7. Give a brief history of the conquest of Wales.

8. Why were the burgesses and merchants allies of the barons before the reign of Edward I., and afterwards allies of the kings?

9. Point out the peculiarities of the personal character of the Stuarts, and estimate the importance of the effects on English politics.

10. Sketch the history of Ireland's connection with England from Elizabeth's reign up till this century.

11. How would you connect the literature and the events of Elizabeth's reign?

12. State what you know of Stephen Langton, the Bloody Circuit, Ship-money, Richard Cromwell, Domesday Book, Titus Oates.

CLASS D.—GREEK (OPTIONAL).—Examiner: Professor Sale, M.A.

Saturday, March 29th.—Morning, 10 to 1.

1. Decline μήτηρ, ναῦς, ὅστις, οὗτος, ἀληθής.

2. Give comparatives and superlatives of ἀγαθός, πολύς, μέγας, αἰσχρός, ταχύς.

16—H. 2. (App.)