\$275, and their note at 6 mos. for remainder. Discounted the above note at 7 per cent. discount. Lost my pocket book containing \$260. Found next day. I paid \$10 to finder.

### PHYSIOLOGY.

1. Explain fully why animals are warm and move about.

2. Describe the nature of the blood.

3. Explain minutely the necessity of oxygen as a condition of animal life.

4. Describe the lungs.

5. Explain fully what takes place when you bend your arm.

6. Explain the uses of the Motor and Sensory nerves.

#### COMPOSITION.

1. Distinguish between accuracy and simplicity of language, and explain in detail the modes in which the latter is violated.

- 2. What are the essential parts of an argumentative theme?
- 4. Give an elegant prose paraphase of the following passage: "The armaments which thunder strike the walls Of rock-built cities, bidding nations quake
  - And monarchs tremble in their Capitals
  - The oak leviathans, whose huge ribs make

Their clay creator the vain title take

Of lord of thee, and arbiter of war ;-

These are thy toys, and, as the snowy flake,

They melt into thy yeast of waves, which mar

Alike the Armada's pride and spoils of Trafalgar."

4. "Never, perhaps, was the change which the progress of civilization has produced in the art of war more strikingly illus-trated than on that day. Ajax beating down the Trojan leader with a rock which two ordinary men could scarcely lift, Horatius definitions the heider entering the second scarcely lift. defending the bridge against an army, Richard the Lion-hearted spurring along the whole Saracen line without finding an enemy to stand his assault, Robert Bruce crushing with one blow the hel-met and head of Sir Heary Bohun in sight of the whole array of England and Scotland,-such are the heroes of a dark age. In such an age bodily vigor is the most indispensable qualification of a warrior. At Landen two poor sickly beings who, in a rude state of society, would have been regarded as too puny to bear any part in combats, were the souls of two great armies. In some heathen countries they would have been exposed while infants. In Christendom they would, six hundred years earlier, have been sent to some quiet cloister. But their lot had fallen on a time when men had discovered that the strength of the musles is far inferior in value to the strength of the mind. It is probable that among the hundred and twenty thousand soldiers who were marshalled round Neerwinden under all the standards of Western Europe, the two feeblest in body were the hunch-backed dwarf who urged forward the fiery onset of France and the asthmatic skeleton who covered the slow retreat of England."

(a) To what class of composition does the above extract belong?
(b) Of what rhetorical figure may it, as a whole, be considered

an illustration?

What are the most notable characteristics of the style? (c)

(d) Estimate the proportion of words of Saxon and classical origin.

5. Scan the following extract and point out a remarkable peculiarity in the words used :

"One touch to her hand and one word in her ear,

When they reached the hall door and the charger stood near;

So light to the croup the fair lady he swung-

So light to the saddle before her he sprung !

'She is won; we are gone, over bank, brush, and scaur; They'll have fleet steeds that follow,' quoth young Lochinvar."

6. Define Accent, Metre, Rhythm and Caesura.

7. What is Rhyme? Give examples of perfect and imperfect Rhymes.

8. Name some of the principal poems of the following authors, and the metre of each: Milton, Scott, Byron, Campbell, Tennyson, and Longfellow.

## GRAMMAR.

1. Describe the three-fold province of Etymology.

2 Define and classify adverbs, mentioning those having conjunctional powers. Explain the phrases, whether or no, to ride hard, it looks beautiful.

3. Give illustrations of each, the various uses and governments of the Infinitive Mood.

Write short notes on Conjugation, Detective Verbs, Impersonal Verbs, Strong and Weak Verbs, Middle Voice, Gerund.

What is Horne Tooke's theory with regard to the meaning 5 and classification of words? Give examples.

- 6. Parse the italicized words in the following sentences:
- (a) What seemed his head the likeness of a kingly crown had on.
  - (b) Unhappy he whom youth makes not beware of doing ill.
  - The sons of Belial flown with incolence and wine. (c)
  - (d) Thus shall mankind his guardian care engage. The promised father of a future age.
  - (e) He will go tell his brother.

#### ANALYSIS.

I. Classify and illustrate the principal connectives of adverbial clauses

2. Name in the greatest possible detail the different forms which the essential elements of a sentence and their modifiers may assume.

3. Analyze:

This Duncan Hath borne his faculties so meek, hath been

So clear in his great office, that his virtues

- Will plead like angels, trumpet-tongued, against The deep damnation of his taking off ;
- And pity, like a naked, new-born babe
- Striding the blast, or heaven's Cherubim, horsed
- Upon the sightless couriers of the air,

Shall blow the horrid deed in every eye, That tears shall drown the wind.

#### ARITHMETIC.

1. Explain the method of adding and subtracting concrete fractional numbers : and simplify.

# $\frac{7 \ (1\frac{1}{2} \ of \ \frac{3}{4})}{1-6 \ (3) \ of \ 7} \div \frac{9}{14}$ 3<u>‡</u>

2. Distinguish between *pure* and *mixed* recurring decimals, and express .83 of 13s. 4d. + .138 of £1 4s. as a decimal of £5.

3. Required the present worth of a pension of \$150, to continue 4 years, supposing money worth 4 per cent. per annum compound interest.

4. If 3 men and 4 women could do a piece of work in 1 11-19 days, and 5 men and 3 women could do the same work in 13 days, and 1 man and 1 woman actually do the work, divide \$20, the price paid for it, equitably between them.

5. A boatman rows 5 miles with the tide in the time he would take to row 3 miles against it, but if the hourly velocity of the current were  $\frac{1}{2}$  more, he would move twice as rapidly with the tide as against it. Find his power of rowing in still water.

6. What must be the face of the note for 3 months, made on 18th Aug., so that discounted at 74 per cent. on the day of making at the bank the proceeds may be \$14,315.

7. A stone wall whose height is four times its thickness, and whose length is ten times its heighth, contains 2500 cubic feet. What are its dimensions?

#### GEOMETRY.

1. It being granted, "that if a straight line meet two other straight lines, so as to make the two interior angles on the same side of it, taken together, less than two right angles, these straight lines being continually produced shall at length meet upon that side on which are the angles, which are together less than two right angles," demonstrate the converse.

2. Trisect a given straight line.

3. Describe a square that shall be equal to a given rectilinear figure.

Produce a given straight line so that the rectangle contained 4 by the whole line thus produced and another given straight line may be equal to the square on the produced part.

5. The angles in the same segment of a circle are equal to one another.

6. Find a point O within a triangle A B C, such that the angles A O B, A O C, and B O C, shall be equal. Point out when this construction becomes impossible.

7. Describe an isosceles triangle having the vertical angle half an angle at the base.