

State the characteristics referred to.

4. Mention any of the "Secondary" laws of association.

5. "Mind starts from *discrimination*." Briefly explain this, giving illustrations.

Mention some of the conditions necessary to effective mental action.

6. Give the substance of Bain's remarks on Emulation, Prizes, Place-taking.

7. "A third aspect of the Object Lesson has reference to the acquisition of Language."

Give, as far as you can, Bain's remarks on this "Aspect."

HYGIENE.

1. "The erect position, then, which we assume so easily, and without thinking about it, is the result of the combined action of muscles." Explain this statement.

2. How are veins distinguished from arteries, with regard to (a) structure, (b) action, (c) the character of the blood?

3. State briefly the evil effects that arise from a lack of ventilation in crowded rooms.

4. "While very soft water cannot be stored for a lengthened period, with impunity, in leaden vessels, the danger of the storage of hard water, under the same circumstances, is in most cases much greater." (a) Explain as fully as you can. (b) How can you distinguish soft water from hard?

5. Write a note on under-clothing, stating, with reasons, the advantages or disadvantages of wearing, next the skin, (a) linen, (b) cotton, or (c) woollen fabrics.

GRAMMAR—METHODS.

1. In introducing a class of young pupils to the study of grammar, which would you present first, the noun or the verb? Give reasons.

2. How would you teach the qualifying relation of (a) an adjective, (b) a propositional phrase, (c) an adjectival clause?

3. Spring comes. The snow disappears. The earth grows warm. The flowers bloom. Combine these four propositions to form a complex sentence, and explain the process as to a class.

4. Explain your mode of teaching the

distinction between the use of *shall* and *will* in (a) declarative sentences, (b) interrogative sentences.

5. Give notes of a lesson on conjunctions N.B.—Four questions, of which 3 *must* be one, will be considered a full paper.

MENTAL ARITHMETIC.

1. Write down the product of 398745 by 19.

2. An army lost 10 per cent. of its numbers in its first battle, and 10 per cent. of the remainder in the second battle, and had 16,200 men left. How many in the army at first?

3. A person invests a sum of money in the 5 per cents. at 85, and an equal sum in the 6 per cents. at 96: the income received from the latter investment was \$80 more than that from the former. How much did he invest in each kind of stock?

4. The amount of a sum of money at simple interest for three years and three months was \$982, and for three years and six months the amount was \$996. Find the principal and the rate per cent.

5. A commission merchant sold flour at a commission of 3 per cent. on the amount received, and invested in tea at a commission of 2 per cent. on the amount paid for the tea—deducting his commission for both transactions from the amount received for the flour. His entire commission being \$200, find the amount invested in tea.

6. Sold goods at a *profit* of 12½ per cent.; had their actual cost been \$20.18 greater, the same selling price would have resulted in a *loss* of 12½ per cent. Find the actual cost of the goods.

7. B. rowed a two-mile race with A. and was beaten; had his speed throughout been one-fifth greater, he would have won the race by 22 yards. Find the ratio of their rates of running.

DRAWING.

1. Describe a broken line, and illustrate the same.

2. What is an indicated line and its use?

3. Give the plan for drawing the Maltese Cross.