PUPIL-TEACHER EXAMINATION PAPERS, AUGUST, 1881.

CANDIDATES.

ARITHMETIC.

MALES.

1. Find the value of 7 lbs. 6 oz. 7 drms. 2 scru. 7 grs. at £1 per oz.
2. What is the total cost of 15,378 articles at £7 19s. 8¼d. each.
3. If £22 10s. will purchase 3 cwt. 24 lbs. of coffee. what quantity should be procurable for £75 ?
4. The rent of a farm of 42 ac. 1 rd. is £158 8s. 9d. ; what could 39 ac. 2 rds. 20 poles be rented for at the same rate ?
5. Two rabbits are worth 1s. 5d., three hares 10s. 7¼d.; how many score of rabbits would be equal in value to 13½ dozen hares ?

FEMALES.

1. Make out the following bill :—
   21 lbs. of candles at 7½d. per lb.
   45 lbs. of sugar at 4½d. per lb.
   25½ lbs. of plums at 6½d. per lb.
   2¼ lbs. of tea at 2d. per oz.
   10 lbs. 14 oz. of rice at 4d. per lb.
2. Find the cost of 7,845 articles at £26 14s. 8¾d. each.
3. 7,985⅔ at £8 19s. 4¼d. each.
4. What is the value of 90 qrs. 0 bush. 1 pk. at £7 11s. 4d. per qr. ?

GRAMMAR.

"Down sank the disappearing band ;
Each warrior vanished where he stood,
In broom or bracken, heath or wood :
It seemed as if their mother earth
Had swallowed up her warlike birth."—SCOTT.
Parse all the verbs, adjectives, and words used as adjectives, in the above.
2. Show how the possessive case of nouns is formed, both in the singular and plural numbers, and give examples.
3. Give the past tense of the indicative mood of the verbs do, dare, can, shall.

GEOGRAPHY.

Answer two questions.

1. Trace as minutely as you can the course of the River Severn; showing as you proceed how it supplies you with examples of the meanings of each of these terms—viz.:
   Affluent, City, Confluence, Estuary, Mountain, Plain, Source, Tide, Valley, Watershed.
   N.B.—These terms are here arranged alphabetically. You are to mention each example, and explain each term, *in its proper order.*
2. Describe the course of a sailing vessel from Belfast to Queenstown. Or, *if you can,* draw a map of the coast-line.
3. Say what you know about Inverness, Skye, Stafford, the Solway Firth, Scarborough, Yarmouth, St. Albans, and Maidstone.

PUPIL-TEACHERS AT END OF FIRST YEAR.

ARITHMETIC.

MALES.

1. Compare the values of £·775, and 7·75 shillings, and reduce their difference to the decimal of their sum.
2. What vulgar fraction of a guinea is £.... , and what vulgar fraction of a mile is 82 yards 1 foot 6 inches ?
3. What sum must be added to ... of 1½ guineas to make that fraction equal to ... of £3⅔ ?
4. If a bar of gold weighing 5·05 lbs. be worth £243, what is the value of 3 oz. of the metal ? Give answer in decimals and in £ s. d.
5. What is the total amount of a rate of £·3822916 in the pound on a property valued at £9,518 a year ?

FEMALES.

1. If a bankrupt owed £7,241 5s., and paid 13s. 6d. in the pound, what was the total loss to the creditors ?

2. How many horses can be bought for £744 8s. 8d., if seventeen horses cost £790 19s. 2½d. ?
3. If 21 men earn £52 10s. in eight days of 10 hours each, how much will 49 men earn in 10 days of 5 hours each ?
4. If 12 men eat bread to the value of £11 12s. 3d. in 28 days, when wheat is 52s. per quarter, how many men will eat bread to the value of £17 8s. 4½d. in 21 days, when wheat is 39s. per quarter.

GRAMMAR.

1. "The old Sussex tortoise that I have mentioned to you so often is become my property ; I dug it out of its winter dormitory in March last, when it was enough awakened to express its resentments by hissing ; and packing it in a box with earth, carried it eighty miles in post chaises."—*White's Natural History of Selborne.*
Point out and parse all the pronouns, prepositions, and participles in the above.
2. Is it ever allowable to place the preposition after, instead of before, the word it governs ? Illustrate your answer by examples.
3. The possessive cases of some pronouns are used as adjectives ; give examples of this.

GEOGRAPHY.

Answer either Q. 1 or Q. 3, not both.

1. Describe, as fully as you can, the basin of the Po, showing how it supplies you with examples of the use of the following terms, viz.:—Affluent, City, Confluence, Delta, Gulf, Lake, Mountain, Plain, Source, Watershed.
N.B.—These terms are here arranged alphabetically. You are to mention each in its proper order.
2. Draw a full map of Sicily, and another of Corsica and Sardinia. Insert the lines of latitude and longitude.
3. Say what you know about Astrakhan, Archangel, the Arctic Circle, North Cape, Nova Zembla, the Gulf of Finland, Gothland, Memel, and Kiel.

HISTORY.

1. Write out a list of names and dates of our sovereigns from 1066 to 1154.
2. What sovereigns reigned between Edward IV. and Elizabeth ? Give their dates.
3. Give the name and hereditary title of the first king of the House of Hanover, with the date of his accession to the English throne. What relation is our Queen to him ?

PUPIL-TEACHERS AT END OF SECOND YEAR.

ARITHMETIC.

MALES.

1. What percentage of a ton is (a) 1 cwt., (b) 1 qr., (c) 1 lb., (d) 1 oz. ? (Not more than 4 places of decimals.)
2. If £43,542⅔ produce at simple interest in 3½ years £6,667 10s., what is the rate per cent. per annum ?
3. In a school of 250 children all examined, 70 fail in arithmetic, 50 in writing, and 20 in reading; what is the percentage of *passes* in each subject ?
4. A sum of 30s. is divided among four boys in the proportion of 35 per cent. to A, 30 per cent. to B, 23.3 per cent. to C, and 50 per cent. of what C receives to D. How much money does each boy receive ?
5. In what time will 29 half-sovereigns amount to 29 half-guineas at 2¾ per cent. per annum simple interest ?

FEMALES.

1. A regiment, returning from foreign service, has only 1½ of its original number of men ; it has lost ⅔ of its original number in battle, ¼ by sickness, and 36 have deserted. What was its original number ?
2. What is the amount of a bill for ¾ cwt. of sugar at 4½d. a lb., 1½ cwt. of rice at 4¾d. a lb. 70 lbs. of currants at £2 6s. 8d. a cwt., and 25 of lbs. tea, 1½ cwt. of it costing £28 10s. 6d. ?