

6. Compare fish, beef, cheese, broad beans, and bread, as foods.
7. State briefly the various points you would consider if you were selecting a dwellinghouse in a town.
8. What is linen? Compare linen cloth and cotton cloth with reference to their suitability for clothing and other household purposes.
9. What is yeast? Explain why it is used in the process of bread-making.
10. What is an infectious disease? What precautions would you take in the treatment of a patient suffering from an infectious disease?

Elementary Knowledge of Agriculture.—For Class D. Time allowed: 3 hours.

1. What is meant by cross-fertilisation of cereals? Describe the process, and state its importance.
2. Write a short note on the action of bacteria in soils.
3. Explain fully the advantages arising from the use of underground drainage.
4. Write a short note on superphosphate of lime, its manufacture, application, and utility.
5. State clearly how you would propose, if you had a small plot of land available, to demonstrate to your pupils that the presence of bunt or smut in wheat argues carelessness or ignorance on the part of the farmer.
6. State what experiments you would conduct in giving a lesson on capillarity in soils.
7. A lecturer one hundred years ago used these words: "It is not uncommon to find a number of changes rung upon a string of technical terms, such as oxygen, hydrogen, carbon, and azote, as if the science of agriculture depended upon words rather than upon things." Discuss the criticism, and indicate in outline how you would propose, in your practice of teaching, to avoid the error referred to.

Elementary Knowledge of Agriculture.—For Class E. Time allowed: 3 hours.

[Six questions to be answered.]

1. Discuss the conditions that determine the fertility of soils.
 2. State what you know of the changes that occur in the wheat plant after it has bloomed.
 3. Sir Humphry Davy, lecturing at the beginning of the nineteenth century, advanced the opinion that plants fed on carbonaceous matter. Criticize this theory in the light of later knowledge.
 4. Why do farmers plough land?
 5. Write a short article on bone manures.
 6. Virgil believed that a good wheat crop might be expected from land—
"Where vetches, pulse, and tares have stood
And stalks of lupines grown . . ."
- How has late investigation justified his belief?
7. Describe what preventive processes you would adopt against bunt or smut in wheat.

General Agriculture.—For Civil Service Senior (New Regulations). Time allowed: 3 hours.

1. Discuss the conditions that determine the fertility of soils.
2. State what you know of the changes that occur in the wheat plant after it has bloomed.
3. What is meant by cross-fertilisation of cereals? Describe the process, and state its importance.
4. Write a short note on the action of bacteria in soils.
5. Explain fully the advantages arising from the use of underground drainage.
6. Write a short note on superphosphate of lime, its manufacture, application, and utility.
7. Describe the management of stud cattle from birth to two years old.
8. Write a short note indicating the characteristics that would guide you in judging the fleece of a merino ram, and point out the relative importance of these characteristics.

English Grammar and Composition.—For Class D. Time allowed: 3 hours.

[Notice.—All candidates are required to attempt the spelling and the punctuation exercise.]

1. Point out, with examples, the effect of the Norman Conquest (1) on the vocabulary, and (2) on the grammar, of the English language.
2. Trace, with examples, the history of the element of number in English nouns.
3. Mention and illustrate the chief uses of the subjunctive mood in English.
4. Rewrite the following sentences in correct English:—
 - (1.) The moulting season is a very delicate and interesting period both for birds and bipeds.
 - (2.) He was arrested in bed, and attempted to commit suicide by firing a pistol at his head, which he had concealed among the bed-clothes.
 - (3.) I would have liked to have asked him a question.
 - (4.) Of all the eminent men of his time, he appears to have been the most talented, reliable, and truthful, and acted throughout in harmony with his own sincere nature.
 - (5.) You have already been informed of the sale of Ford's Theatre, where Mr. Lincoln was assassinated, for religious purposes.