

4. Mention the parts of an embryo. Of a leaf. Of a pistil. Of a stamen. Of a seed.
5. What is meant by an albuminous seed? By diœcious flowers? By a compound ovary?
6. What is the difference between determinate and indeterminate inflorescence? How do they influence growth of the stem? Give three principal kinds of each?
7. Name the parts of a flower? What office is performed by the ovule? Name two kinds?
8. Name the parts of a vegetable cell? What are spiral ducts? Lactiferous vessels?
9. In what parts of the plant is the work of absorption carried on? In what part the work of assimilation? How do plants purify the air for animals.
10. Describe sample plants, and answer verbal questions.

### PRACTICAL DISPENSING.

*Examiner*—MR. GREGORY.

The following prescriptions are to be compounded:—

1. R. Res. Podoph. grs. ij.  
Ferri. Sulph. Pur. grs. vj.  
Aloes. Socot. grs. xx.  
Ft. pil. sex. quam. æger sumat pil. i, omni nocte.
2. R. Emp. Lyttæ. 6×6.  
Adhibeatur emplastrum epispasticum interscapulas.
3. R. Ext. Hyosciam. grs. x.  
Camphoræ, grs. xx.  
Adipis, ʒss.

Ft. ung. sec. art. utend. more dict.

Each candidate is expected to leave his utensils clean, and in their places, and his dispensing counter tidy. The care, or otherwise, with which he does this will have a very decided effect on his ratings.

### PRESCRIPTIONS.

*EXAMINER*—MR. GREGORY.

1. Translate the following prescription into English:—

Recipe—Vini Colchici cormi guttas viginti,  
Potassæ Sulphatis, drachmam cum semisse,  
Sodæ Bicarbonatis, scrupulos duos,  
Aquæ Anethi, fluidunciam cum semisse

Tincturæ Calumbæ, fluid drachmam cum semisse,  
Fiat haustus cum acidi tartarici granis quindecim in aquæ semiunciam fluidam impeter effervescentiæ sumendus.

2. Write a prescription in full Latin for an eight ounce mixture, of which a tablespoonful is to be given every two hours, each dose to contain four minims of Laudanum, a quarter of a grain of Tartar Emetic, and the remainder Camphor Water.
3. Note any errors that may occur in the following prescriptions:—

R.—Pot. Chlorat, ʒvi.  
Pot. Bicarb, ʒii.  
Mellis, ʒp.  
Tinct. Capsici, gtt. xx.