

BOTANY.

Examiner—MR. YEOMANS.

1. What is the Plumule?
2. In what manner is the situation of Branches affected by the position of Buds?
3. Give instances of primary, secondary, and aerial roots from indigenous plants.
4. Subterranean Stems: name the principal kinds and give example of each.
5. Give the parts which constitute a complete leaf.
6. Explain the natural and special forms of leaves, and give three kinds of the latter.
7. What is determinate inflorescence? and how does it affect the growth of the stem?
8. Give name of the organs in a complete flower, with relative position they occupy, and explain what is meant by numerical plan of flowers.
9. Give common names and habitat of sample plants.
10. Describe fully sample leaves, first stating to which principal kind they belong.

PRACTICAL DISPENSING.

Examiner—MR. MILLER.

1. Translate in full the four following prescriptions, correcting any errors that may appear:
 - I. *Recipe*.—Pulveris Cretæ Composita..... drachmam.
 “ Ejusdem cum opii..... grana vigenta.
 Sacchari alba drachmas duas.
 Misca. in pulveris octo equales dividuntur et capiat ager unum
 omni hora quadranti.
 - II. *Recipe*.—Tinctura Aconiti(U.S.P.). drachmas duas cum semissi
 Potass. Acetas.....drachmas quatutor.
 Syrupi Simplisi.....drachmas duas.
 Aqua Anisi.....uncias sex.
 Fiat mistura, cujus sumatur cochlearia, duo vel tria media bis
 terbe in die.
 - III. *Recipe*.—Hydrargyri Subchlorididrachmam.
 Confectionis Rosa.....quantum satis sit.
 Contundi in massam et divide in pilules triginta, sumatur
 unabis in dies.
 - IV. *Recipe*.—Santoninum..... drachmas duas cum semissi.
 Sacchari Alba..... semiuncia.
 Misca. in pulveris octo equales dividuntur, quorum capia
 unum tempore matutins.
2. Dispense according to art. Nos. 1, 2 and 3.
3. Prepare in the usual manner a blister of cantharides 4 × 6 inches.