

MATERIA MEDICA AND THERAPEUTICS.

THURSDAY, 23RD MARCH, 1876:—9 TO 11 A.M.

Examiner,.....PROFESSOR A. H. KOLLMYER, M.A., M.D.

1. Give (I) the composition, (II) the uses, and (III) the doses of the following preparations.

Pulv. Rhei. Co.	Pulv. Kino Co.
Pulv. Jalapoe Co.	Pulv. Scammon Co.
Pulv. Ipecac. Co.	Pulv. Cretæ Arom. cum Opið.

2. Name (I) the source, (II) the adulterations, and (III) the active principle of Ipecacuanha.

3. Give (I) the different alkaloids obtained from Peruvian Bark, and (II) also their appropriate tests.

4. What is Ergot? and what are its chief actions?

5. Write a scientific prescription.*

6. Give (I) the botanical name of Colocynth, (II) its habitat, (III) the part of the plant used in medicine, and (IV) state upon what principle its activity is supposed to depend.

CHEMISTRY AND EXPERIMENTAL PHILOSOPHY.

THURSDAY, 23RD MARCH, 1876:—11 A.M. TO 1 P.M.

Examiner,.....PROFESSOR GEORGE BEGG SHAW, A.M., C.M., M.D.

1. How many pounds weight would it require to pull two Magdeburg Hemispheres apart, measuring 4 inches in diameter at a distance of 3.4 miles above the sea-level?

2. What amount of HCl will be required to neutralize 500 grammes Na₂CO₃? What is the weight of the salt produced, and what volume of CO₂ will be given off?

3. How much KClO₃ will be required to produce 10 litres of Oxygen?

4. Give the distinguishing tests for the lower and higher salts of Hg and also for those of Fe.

5. What are Alcohols? Give examples, and shew the difference between them and Ethers, Aldehyds and Acids?

6. What are the tests for albuminous urine, and how would you proceed to use them?

* N. B.—The prescription must be original, otherwise it will not count towards the examination