

## MATERIA MEDICA AND THERAPEUTICS.

TUESDAY, MARCH 29TH, 1881:—9 TO 11 A.M.

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

1. Name the constituents and doses of the B. P. preparations of Ipecac and Quinine.
2. Under what circumstances would you prescribe Aconite or its Alkaloid Aconitia, and when would you consider them contra-indicated?
3. State the actions, doses, and modes of administration of Eserine, Apomorphine, Pilocarpine, Atropine and Duboisine.
4. How would you distinguish the following pills from each other :
 

(a) Pil Aloes Bbds.	(d) Pil Rhei Co.
(b) " " Socot.	(e) " Aloes et Myrrh.
(c) " Colocynth Co.	(f) " " et Assafœt.
5. What time usually elapses between the administration and the purgative effect of the following :
 

(a) Croton oil.	(e) Jalap.
(b) Elaterum.	(f) Colocynth.
(c) Castor oil.	(g) Rhubarb.
(d) Epsom salts.	(h) Aloes.
6. We will suppose that you have ordered an alcoholic stimulant to a patient, how would you ascertain whether it was proving serviceable or the reverse?

## CHEMISTRY AND CHEMICAL PHYSICS.

TUESDAY, MARCH 29TH, 1881:—11 A.M. TO 1 P.M.

Examiner,.....PROFESSOR CASEY A. WOOD, C.M., M.D.

1. What is latent heat? How does it affect the molecules of bodies from which it is withdrawn? Give an example.
2. Give name, origin and English equivalent of each unit employed in the metrical system of weight and measures.
3. Give reactions that occur in making :
  - (a) Liq. Ammonia Ff. : B.P.
  - (b) Mist : Ferri Co. : B.P.
  - (c) Lotio Hydrarg. Flava, B.P.
  - (d) Liquor Sodae, B.P.
  - (e) Cerii Oxalas, B.P.
4. Required the chemical antidotes to poisoning by (a) Fowler's solution, (b) butter of antimony, (c) spirits of salt, (d) caustic potash, (e) sugar of lead, (f) corrosive sublimate.
5. What are the vulgar names of the following organic compounds, and describe the preparation of two of them : (a) ethylic oxide, (b) methyl hydride, (c) formyl chloride, (d) ethylic hydrate, (e) ethylene?
6. In examining the urine what information is afforded by its color?

Examiner,...

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