

2. Name the various methods in which drugs may be employed to obtain their therapeutic effects.

3. State the physical properties of (*a*), ether; (*b*), chloroform. Describe the precautions to be taken before the administration of an anæsthetic. Mention the official preparations of chloroform.

4. Describe belladonna. State briefly its action upon the nervous system. Mention its principal official preparations.

5. Name the official salts of quinine; of morphine. State the action of quinine (*a*), on the nervous system; (*b*), on the blood.

6. State fully what is meant by the terms—drastic purgative, cholagogue, and hydragogue—and give examples of each.

PHYSIOLOGY.

Examiners..... { WESLEY MILLS, M.D.
F. G. FINLEY, M.D.

1. Indicate by diagrams (preferably) or otherwise the embryonic origin of the following:—(*a*), amnion; (*b*), allantois; (*c*), gut; (*d*), somatopleure; (*e*), splanchnopleure; (*f*), lungs; (*g*), pancreas; (*h*), liver; (*i*), brain; (*j*), eye; (*k*), ear.

2. *Heart*: (*a*), Phases of a cardiac cycle with estimated time of duration of each in man. (*b*), With what events do the cardiac sounds correspond in point of time? (*c*), Indicate (diagram) path of augmentor (accelerator) nerves. (*d*), Intrinsic nervous mechanism of the heart. (*e*), Causation of heart-beat.

3. *Respiration*: (*a*), Afferent and efferent nerves. (*b*), Experimental demonstrations. (*c*), Nature and causation of the action of the respiratory centre. (*d*), Subordinate centres.

4. *Arteries*: (*a*), Periods. (*b*), Blood pressure in each stage. (*c*), Explanations.

5. *Spinal Cord*: (*a*), Main divisions, with anatomical characteristics of each. (*b*), Mark by a diagram the tracts of ascending degeneration. (*c*), Indicate their relations to parts above and below.

6. *Eye*: Iris: (*a*), Structure. (*b*), Nerve supply and nerve centres (diagram). (*c*), Experimental demonstration. (*d*), Diagram of visual tract from retina backwards. (*e*), Experimental demonstrations of its correctness.

ANATOMY.

Examiners..... { PROF. F. J. SHEPHERD, M.D.
J. M. ELDER, M.D.
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1. The skull having been opened and the brain removed, give the dissection necessary to expose the Ciliary ganglion.

2. Name in order the parts it is necessary to remove to expose the Innominate Artery.