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**FACULTY OF PHA 1/464L**

**B. Pharmacy 1-Year (Main & Backlog) — Rit tie 2011**  
**ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION (APHE)**

**Time : Three Hours]**

**[Maximum Marks : 70**

**Note :—** Answer **ALL** questions. All questions carry equal marks. -

- (i) Discuss the properties and- functions of nervous tissue. 8
- (ii) Write a note on action potential. 6

**OR**

- (3) Explain the various parts of the following bones with diagrams :
  - (a) Femur
  - (c) Fibula (d) TI;OrAgic. 8
- (ii) Discuss the functions of epithelial tissue.
- 2. (A) (i) Define cardiac cycle and describe the events involved in a cardiac cycle. 8
- (ii) **Explain** the following terms :
  - (a) Neuron (b) Reflex arc
  - (c) Ganglion.. 6

**OR**

- (B) (i) Discuss the composition and functions of blood. 8
- (ii) What are the factors affecting blood pressure '(? 6
- 3. (A) (i) Discuss the anatomy of respiratory system. 10
- (ii) Disorders of hypo and hypersecretion of thyroid gland. 4

**OR**

- (B) (i) Discuss the Physiology of respiration. 10
- (ii) Write a note on functions of pancreas. 4

1. (A) (Q) What are expectorants ? Give the preparation, tests for purity and assay of Potassium Iodide. 8
- (ii) Write a note on Inhalants. 6

OR

- (B) (i) Give the method of preparation and uses of :
- (a) Potassium Antimony Tartrate
  - (b) Thiosulphate
  - (c) Zinc Sulphate. 9
- (ii) Write a note on emetics. 5
5. (A) (i) Write a note on Diagnostic agents. 5
- (ii) Give the principle and procedure involved in the assay of :
- (a) Silver nitrate
  - (b) Zinc oxide
  - (c) Bismuth subcarbonate. 9

OR

- (B) (i) Give the method of preparation and uses of Potassium Permanganate and Cisplatin. 8
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- (ii) Write a note on oral antiseptics. www.FirstRanker.com 6