

Code No. 7201 / M

FACULTY OF PHARMACY**B. Pharmacy I Year (Main) Examination, June 2014****Subject: Anatomy, Physiology and Health Education****Time: 3 Hours****Max.Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 (a) i) Discuss the properties and functions of epithelial tissue. (8)
ii) Write a note on action potential. (6)
OR
(b) i) Explain the general principles of membrane permeability. (6)
ii) What are tissues? Write a note on nervous tissue. (8)
- 2 (a) i) What is a reflex arc? Write a note on physiology of nerve impulse. (8)
ii) Define blood pressure. What are the various factors which govern blood pressure. (6)
OR
(b) i) Explain the physiology of nerve impulse. (6)
ii) Draw the internal structure of the heart and explain the blood circulation pathway. (8)
- 3 (a) i) Discuss the physiology of respiration. (8)
ii) Explain the mechanisms of hormonal secretion. (6)
OR
(b) i) Explain the terms: (i) vital capacity (ii) respiratory volume (iii) hypoxia. (6)
ii) Discuss the gross anatomy of alimentary canal. (8)
- 4 (a) i) Discuss the physiology of urine formation. (8)
ii) Discuss the basic anatomy and physiology of nose. (6)
OR
(b) i) Draw a neat labelled diagram of kidney. (5)
ii) Discuss the anatomy and physiology of taste buds and skin. (9)
- 5 (a) i) Discuss the pathological processes of inflammation and repair. (6)
ii) Explain various methods of family planning. (8)
OR
(b) i) Discuss the pathological process involved in infarction and embolism. (6)
ii) Explain the various nutritional disorders associated with vitamin deficiency. (8)
