

Roll No

PY - 205**B.Pharmacy II Semester**

Examination, June 2015

Anatomy, Physiology And Health Education - I**Time : Three Hours****Maximum Marks : 70**

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each questions are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Write the characters of epithelium.
- b) Give the structure of a synovial joint.
- c) Explain the characteristics of connective tissue.
- d) Describe the structure of animal cell and functions of cell components.

OR

Draw a well labeled diagram of pelvic girdle. Discuss the disorders of joints.

2. a) Write the structure of visceral muscle.
- b) Explain muscular dystrophy.
- c) Give brief account of blood coagulation.
- d) Describe the molecular basis of muscle contraction.

OR

Briefly describe blood groups and some abnormalities of hemostasis.

3. a) Show/ write the course of lymph to general circulation.
- b) Thrombocytopenic purpura.
- c) Write the differences between artery and vein.
- d) Give a brief account of structure of heart and working of heart.

OR

Write short notes on :

- i) Cardiac arrhythmias
- ii) Angina pectoris

4. a) Define dead space volume.
- b) Write the structure of bronchiole.
- c) Voluntary control of respiration.
- d) Describe the mechanism of respiration.

OR

Write notes on :

- i) Resuscitation methods
- ii) First aid in snake bites
- iii) Emergency treatment in burns

5. a) Structure of nucleus.
- b) Write about granulocytes.
- c) Briefly describe cardiac cycle.
- d) Give an account of the structure of skeletal muscle.

OR

Write notes on :

- i) Structure of neuron
- ii) Blood pressure and its regulation