

**Examination: B. PHARMACY First Year First Semester Supplementary Exam 2024**  
**Subject: HUMAN ANATOMY AND PHYSIOLOGY-I**  
**Ref. No.: Ex/BP101/T/2024(S)**  
**Time: 03 hrs    Full Marks: 75**

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**Answer all the questions**

**Section A (25 marks)**

- Q1) Write short notes on (**any one**) (10)  
a) Physiology of skeletal muscle contraction.  
b) Proteins present in skeletal muscle  
Q2) Describe different layers of epidermis. What are the different types of skin glands? (10+5)

**Section B (25 marks)**

- Q3) With an appropriate diagram write in details about the intercellular communication. (15)  
Q4) Write notes on membrane proteins and its function. (10)

**Section C (25 marks)**

- Q5) Draw a neatly labelled diagram of the following: (8+8)  
a) The internal structures of human heart.  
b) Typical Neuron  
  
Q6) a) With a diagram explain the events with involvement of different ions during a complete Nerve Action Potential.  
b) What do you understand by the term Nerve RMP? (7+2)