

**II B.Tech I Semester Supplementary Examinations, November 2005**  
**ANATOMY & PHYSIOLOGY**  
**(Bio-Medical Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Explain the Microscopic anatomy of different types of muscles? Describe about tubercle? [16]
2. What are the Endocrine glands? Explain in detail? [16]
3. What are the functional differences a typical sensory and motor neuron? Define autonomic nervous system. [16]
4. Differentiate between myelinated and unmyelinated neurons? Explain saltatory and continuous conduction. [16]
5. Write about: [8+8=16]
  - (a) Composition and functions of blood
  - (b) Blood groups and their importance.
6. Explain the physiology of a lung with a neat diagram. [16]
7. Explain the structure of spleen? Write the anatomy of the lymphatic system? [16]
8. Write a short notes on: [8+8=16]
  - (a) Renal failure
  - (b) Nephron.

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