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**2007 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**

**II B.TECH I SEMESTER REGULAR EXAMINATIONS**  
**ANATOMY AND PHYSIOLOGY**  
(BIO-MEDICAL ENGINEERING)

**SET NO -2**  
**NOVEMBER 2007**

**Time: 3 hours**  
**Marks: 80**

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

1. Discuss about the facial bones. Describe the structure of mandible and hyoid bone? [16]
2. What are semi-circular ducts? Discuss about cochlea. [16]
3. Write a detailed note on the blood vessels? [16]
4. Distinguish between quiet and forced inspiration and expiration. Illustrate Pharynx. [16]
5. Describe the location and functions of:
  - (a) Thymus gland [8]
  - (b) Pineal gland [4]
  - (c) Thyroid [4]
6. Describe the structure of stomach? Explain the digestion process in the stomach? [16]
7. Write about the lymphatic system in detail. [16]
8. Describe the renal physiology?