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2007 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

SET NO -3
NOVEMBER 2007

Time: 3 hours
Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. *What is neuromuscular junction? Explain neuromuscular transmission?* [16]
2. *Describe the internal anatomy of the spinal cord? What are spinal nerves?* [16]
3. *Write about the major blood vessels? Discuss about Aorta?* [16]
4. *Explain how gases are transported by blood in the process of respiration* [16]
5. *Describe the developmental anatomy of the endocrine system.* [16]
6. *Pancreas is endocrine or exocrine gland, Justify. Discuss the functions of Islets of langerhaus.* [16]
7. *Discuss the relationship of immunology to cancer. Write short note on spleen.* [16]
8. *Write a short note of:*
 - (a) *Semen* [4]
 - (b) *Penis* [4]
 - (c) *Ducts of the testes* [4]
 - (d) *Uterus* [4]