

2005 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

MAY 2005

TIME: 3 HOURS  
MARKS: 80

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Answer any FIVE Questions  
All Questions carry equal marks

1. Describe major muscles of lower limb with their actions?
  2. What are the Endocrine glands? Explain in detail?
  3. Compare the structure and functions of brain stem?
  4. Explain how each of the following events related to the physiology of vision
    - (a) Refraction of light
    - (b) Accommodation of the lens
    - (c) Construction of pupil.
  5. Write about the major blood vessels? Discuss about Aorta?
  6. Explain about spermatogenesis? Discuss about ducts of testes? Sketch the male reproductive system.
  7. How does the gastrointestinal tract differ from accessory structures of digestion?
  8. Describe the renal physiology?
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