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2007 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

SET NO -4
NOVEMBER 2007

Time: 3 hours
Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the functional concept of the Human body in detail? [16]
2. Describe the external anatomy of spinal cord in detail? Define Pia-meter? [16]
3. Explain different phases of action potential of cardiac muscle fibre of heart? [16]
4. Describe the responses of the respiratory system to exercise. [16]
5. Describe the location and functions of:
 - (a) Thymus gland [6+6+4]
 - (b) Pineal gland
 - (c) Thyroid
6. What is a bolus? List the sequence of events involved in passing of bolus from the mouth to stomach? [16]
7. Describe the formation and flow of lymph. [16]
8. Compare the principle events of the ovarian and uterine cycle.