

II B.Tech I Semester(RR) Supplementary Examinations, May/June 2010
ANATOMY AND PHYSIOLOGY
(Bio-Medical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Discuss about the anatomy of muscles. What is tubercle? [16]
2. Write short notes on: [8+8=16]
 - (a) Pituitary gland
 - (b) Adrenal gland.
3. What is a reflex and a reflex arc? Mention types of reflexes? Explain reflex arc and homeostasis. [16]
4. Explain how each of the following events related to the physiology of vision [5+5+6=16]
 - (a) Refraction of light
 - (b) Accommodation of the lens
 - (c) Construction of pupil.
5. Write short notes on: [8+8=16]
 - (a) Pulse
 - (b) Blood Pressure.
6. Explain the external and internal anatomy of testes? Write about sperms. [16]
7. Define digestion and describe the process involved in it? Distinguish between mechanical and chemical digestion? [16]
8. Write a short notes on: [8+8=16]
 - (a) Renal failure
 - (b) Nephron.
