

**I B. Pharmacy I Semester Supplementary Examinations, Jan/Feb - 2018**  
**ANATOMY, PHYSIOLOGY & HEALTH EDUCATION-II**

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. a) Describe with neat diagram the structure and functions of the cell. (8M)  
b) Write a note on the physiological properties of the skeletal muscle. Add a note on skeletal muscle disorders. (7M)
  
2. a) Describe the structure and functions of the respiratory organs. (8M)  
b) Write a note on mechanism of regulation of respiration. (7M)
  
3. a) Describe the dopaminergic pathways and their functions in the brain. (8M)  
b) Describe the mechanism of neurohumoral transmission in peripheral nervous system. (7M)
  
4. a) Write a note on structure and functions of the nephron. (8M)  
b) Write a note on acid base balance. (7M)
  
5. a) Describe the structure and functions of epithelial tissue. (8M)  
b) Write a note on the types of joints and their movements. (7M)
  
6. a) Write a note on the exchange of gases in the alveoli. (8M)  
b) Describe the neuronal control of respiration. (7M)
  
7. a) Describe the parasympathetic functions of cranial nerves. (8M)  
b) Describe the applications of ECG. (7M)
  
8. a) Write a note on physiology of urine formation. (8M)  
b) Describe with a neat diagram the structure and functions of urinary tract. (7M)