

Code No: 211AE

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Pharmacy I Year Examinations, May/June-2017

ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION

Time: 3 hours

Max.Marks:75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(25 Marks)

- 1.a) Write any two properties of muscle tissue. [2]
- b) Describe the disorders of skeletal system. [3]
- c) Write the functions of blood. [2]
- d) Describe the conduction system of heart. [3]
- e) Mention the different functions of liver. [2]
- f) Write the Process of Deglutition. [3]
- g) Define the terms health and Disease. [2]
- h) What are vitamins? Classify with examples. [3]
- i) Write the causes of AIDS. [2]
- j) Name the organism, mode of transmission of Rabies. [3]

PART-B

(50 Marks)

- 2.a) Discuss the mechanism of skeletal muscle contraction. [10]
 - b) Write a note on Homeostasis. [10]
- OR**
- 3.a) Classify the joints with examples and describe the types of movements. [10]
 - b) Describe the characteristics and functions of epithelial tissues. [10]
- 4.a) Describe the Blood groups and their importance. [10]
 - b) Write a note on disorders of platelets and coagulation. [10]
- OR**
- 5.a) Discuss about the cardiac cycle. [10]
 - b) Define blood pressure and write its regulation. [10]
- 6.a) With a neat outline diagram describe the structure of Digestive System. [10]
 - b) Discuss the Digestion of Carbohydrate, Protein and Fat. [10]
- OR**
- 7.a) Describe any four disorders of GIT. [10]
 - b) Give the composition and function of salivary juice. [10]