

Code No: 221AE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Pharmacy I Year Examinations, May/June-2017

ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION

R15

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

PART-B

(50 Marks)

- 2.a) Discuss the mechanism of skeletal muscle contraction.
- b) Write a note on Homeostasis.

[10]

OR

- 3.a) Classify the joints with examples and describe the types of movements.
- b) Describe the characteristics and functions of epithelial tissues.

[10]

- 4.a) Describe the Blood groups and their importance.
- b) Write a note on disorders of platelets and coagulation.

[10]

OR

- 5.a) Discuss about the cardiac cycle.
- b) Define blood pressure and write its regulation.

[10]

- 6.a) With a neat outline diagram describe the structure of Digestive System.
- b) Discuss the Digestion of Carbohydrate, Protein and Fat.

[10]

OR

- 7.a) Describe any four disorders of GIT.
- b) Give the composition and function of salivary juice.

[10]

- 8.a) Write short notes on balanced diet.
- b) Describe the Permanent method of contraception.

OR

[10]

- 9.a) Write a note on Kwashiorkar.
- b) Discuss about the Demography cycle.

[10]

- 10.a) Write a note on droplet infection.

b) Name of microbial agent, mode of transmission and prevention of tuberculosis.

[10]

OR

- 11.a) What are the different modes of transmission of communicable diseases.
- b) Write the life cycle of malaria.

[10]