

Code No: 231AD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Pharmacy I Year I Semester Examinations, May/June-2017
ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION-I

Max.Marks:75

Time: 3hours

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) Briefly write about Squamous epithelium and ciliated epithelium. [2]
- b) What are different types of synovial joints? [3]
- c) Write major function of lymph and spleen. [2]
- d) Write a short note on plasma proteins. [3]
- e) Define pulse and write the sites on body surface where pulse can be detected. [2]
- f) Draw and label electrocardiogram. [3]
- g) Write a short note on musculature of stomach. [2]
- h) Write briefly how a fatty diet is digested? [3]
- i) Write briefly about Medical termination of pregnancy. [2]
- j) Write about MDR and XDR tuberculosis. [3]

PART-B

(50 Marks)

- 2.a) What are various functions associated with skeletal muscle? [5+5]
- b) Explain briefly about function of neuron.

OR

- 3.a) What is the role of mitochondria on our body? [5+5]
- b) Write a short note on homeostasis.

- 4.a) Write briefly about erythrocytes and their physiological role. [5+5]
- b) Write briefly about the process of blood clotting.

OR

- 5.a) Write a detailed note on role of different granulocytes. [5+5]
- b) What are the changes seen in microbial infection in lymph nodes and spleen? Explain the probable mechanism for these changes.

- 6.a) What a detailed note on congestive heart failure. [5+5]
- b) Draw the diagram and show the relation between pulmonary and systemic circulation.

OR

- 7.a) Draw and label interior of human heart. [5+5]
- b) Write a short note on myocardial infarction.

- 8.a) Write the principle, procedure and uses involved in assay of Potassium iodide. [5+5]
- b) Define haematinics? Give the preparation method and tests for purity of Ferrous sulphate.

OR

- 9.a) What is an antidote? Write the principle involved in the assay of Activated charcoal. [5+5]
- b) Write about astringents? Describe the preparation and assay of Potash alum.

10. Write a note on monograph of Sodium iodide. [10]

OR

11. Explain the storage conditions and pharmaceutical application of Radioactive substances. [10]