

Code No: 211AE

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Pharmacy I Year Examinations, January-2018

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) Define homeostasis and give one suitable example.
- b) Write the classification of joints with suitable examples.
- c) Write the functions of lymphatic system.
- d) Draw the structure of blood vessels with neat diagram.
- e) Define peptic ulcer and write causes of it.
- f) Write the functions of liver.
- g) What is balanced diet? Give the composition of it.
- h) Explain Female family planning devices.
- i) Write the Mode of transmission of tuberculosis.
- j) Give the causes and preventive measures for malaria.

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**PART-B**

(50 Marks)

2. Draw a neat diagram of human cell and give the functions of each organelle. [10]  
OR
3. List out the axial bones with numbers. Explain in detail about physiology of skeletal muscle contraction. [10]
4. Define Erythropoiesis. Write in detail about different stages and regulation of Erythropoiesis. [10]  
OR
5. Explain the anatomy and physiology of human heart with neat diagram. [10]
6. Draw the labeled diagram of GIT tract. Write the mechanism of digestion of food. [10]  
OR
7. Define absorption. Explain the different mechanism involved in the food absorption. [10]
8. Write elaborately on any two diseases caused due to nutritional deficiency. [10]  
OR
9. Write the methods involved in the medical termination of pregnancy. [10]