

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Examination – Winter 2022-23

Date: 07/09/2023

Course: First Year B. Pharmacy  
Subject Name: Human Anatomy and Physiology-I  
Max Marks: 75

Sem: I  
Subject Code: BP101T  
Duration: 3 Hr.

Instructions:

1. All questions are compulsory
2. Draw diagrams / figures wherever necessary
3. Figures to right indicate full marks

Q. 1. Objective Type Questions (Answer all the questions) (10 x 2) = 20

- i) Differentiate between sympathetic and parasympathetic nervous system.
- ii) Discuss function of skin.
- iii) Explain the bones of the Skull.
- iv) Define Joint? Classify it with examples.
- v) Explain Layers of skin.
- vi) Draw a neat labeled diagram of structure of cell.
- vii) Describe the division of skeletal system.
- viii) Draw a neat labeled diagram of lymph node.
- ix) Note on Function of Ribosome's.
- x) List out the basic life processes.

Q. 2. Long Answers (Answer 2 out of 3) (2 x 10) = 20

- i) Explain the structure of heart with neat labeled diagram. Discuss the cardiac cycle.
- ii) Explain the structure of eye with a neat labeled diagram. Describe the physiology of vision.
- iii) Explain the classification, structure, location and functions of Epithelial tissues.

Q. 3. Short Answers (Answer 7 out of 9) (7 x 5) = 35

- i) Note on ABO and Rh system.
- ii) Explain Physiology of muscle contraction.
- iii) Explain the origin and functions of spinal and cranial nerves.
- iv) Explain homeostasis.
- v) Write the composition and functions of blood.
- vi) Describe conducting system of Heart
- vii) Note on Composition and functions of Lymph.
- viii) Write about transport across cell membrane.
- ix) Write anatomy of ear.