

Dr. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY
Vidyavihar, Lonere, Dist. Raigad - 402 103, Maharashtra.

Theory Sessional Examinations 2017-2018

Class: F Y B Pharmacy
Subject: Human Anatomy & Physiology I
Day & Date: Tuesday, 03/10/2017

Sem.: I
Subject Code: BP101T
Time: 11.00 am – 12.30 pm **Marks:** 30

Instructions: 1. All questions are compulsory.
2. Draw neat labeled diagrams where necessary. 3. Figures to the right indicate full marks.

Q. I Choose the correct answer & rewrite

10

- 1) Homeostasis is _____ of the body.
a. **maintaining internal environment** b. maintaining external environment c. both
- 2) The thoracic cavity in human does not contain _____.
a. Heart b. lungs c. **kidney**
- 3) The site where most of the ATP is generated in a cell is the _____.
a. Nucleus b. **mitochondria** c. Golgi apparatus
- 4) A cavity within a bone is called as _____.
a. **Sinus** b. meatus c. crest
- 5) The inter-vertebral disc pads between bodies of vertebrae are made of _____ cartilage.
a. Hyaline b. **fibro** c. elastic
- 6) Tongue consists of _____ muscle.
a. Smooth b. **skeletal** c. cardiac
- 7) _____ cells of skin play role in immune response.
a. Melanocytes b. **Langerhans** c. Merkel
- 8) The _____ is the cheek bone.
a. **Zygomatic** b. vomer c. ethmoid
- 9) The _____ vertebrae has odontoid process.
a. Atlas b. **axis** c. lumbar
- 10) The joint between the atlas & axis bones is _____ joint.
a. Hinge b. **pivot** c. ball & socket

Q. II Long answer questions (answer any one)

10

- A) With a neat labeled diagram explain the structure of the skin.
Explain the functions of skin.
Diagram of skin with proper labels & discussion on structure of skin 05 marks. Any 5 functions of skin -05 marks.
- B) Classify tissues with examples. Discuss types of epithelial tissues in brief.
Classification of 4 main tissues with examples - 04 marks. Discussion on the main 3 types of epithelial tissues - 6 marks.

Q. III Short answer questions (answer any two)

10

- A) Define & classify joints. Add a note on types of synovial joints with examples.
Definition & classification of joints- 2 mark. Note on types of synovial joints with examples - 3 marks.
- B) Explain the functions of different components of a cell.
Function of component of cell (minimum- 5)- 05 marks
- C) Write short note on (any one):
 - a. Homeostasis.
Meaning & discussion of Homeostasis with example -5 marks
 - b. Physiology of muscle contraction.
Discussion of physiology of muscle contraction-5 marks