



DAS-M-201910

Seat No. _____

First Year D. Pharm. Examination

May - 2022

1.1 Human Anatomy and Physiology (Theory)

Time : 3 Hours]

[Total Marks : 70

Instruction : Figures to the right indicate full marks for the respective questions.

1 Answer the following questions : **10×2=20**

- (1) Give significance of mitochondria.
- (2) Define following words : (I) Anatomy (II) Physiology.
- (3) Give functions of neuron. Draw a neat labeled diagram of neuron.
- (4) How many total numbers of bones present in face. Enlist any four.
- (5) Which pair of ribs are known as floating ribs ?
- (6) Give significance of lymph.
- (7) Define hypoxia.
- (8) Define Blood & give the role of platelets in body.
- (9) Enlist Layers of heart.
- (10) Give any two cranial nerves with functions.

2 Answer the following questions. (any two) **2×10=20**

- (1) Discuss anatomy and physiology of urinary system and discuss on formation of urine.
- (2) Enlist sense organs. Discuss anatomy and physiology of eye with neat and clean labeled diagram.
- (3) Draw neat and clean labeled diagram of heart. Discuss anatomy and physiology of heart.

3 Answer the following questions. (any six)

6×5=30

- (1) Define : Tissue. Classify tissues with examples.
 - (2) Draw a neat labeled diagram of cell and write the functions of nucleus.
 - (3) Give detailed note on different types of joints.
 - (4) Write a note on Electrocardiogram (ECG).
 - (5) Describe the ABO system of blood grouping. Enlist functions of blood.
 - (6) Enlist organ of respiratory system and discuss about the transport of respiratory gases.
 - (7) What is cardiac cycle ? Describe various events of cardiac cycle.
 - (8) Discuss gross anatomy of digestive system with suitable diagram.
 - (9) Discuss Anatomy and physiology of cerebellum.
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