

SUBJECT : HUMAN ANATOMY & PHYSIOLOGY – I

Day : Sunday
Date : 05/05/2019

S-2019-4374

Time : 10.00 A.M. TO 01.00 P.M.
Max. Marks : 60

N.B.:

- 1) **Q.No.1 and Q. No.5** are **COMPULSORY**. Out of the remaining questions attempt **ANY TWO** questions from each section.
 - 2) Answers to both the sections should be written in **SAME** answer book.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION – I

- Q.1** Answer **ANY FIVE** of the following: [10]
- a) Define the term anatomy and physiology.
 - b) Enlist different planes and body cavities in anatomy.
 - c) Differentiate between smooth, skeletal and cardiac muscle.
 - d) Draw neat labeled diagram of lymph node.
 - e) Define blood pressure and myocardial ischaemia.
 - f) Describe the component of lymphatic system.
 - g) Write a note on scope of anatomy and physiology.
- Q.2** Define and classify tissues. Explain structure, location and function of each type of epithelial tissue. [10]
- Q.3** a) Draw neat labeled diagram of internal structure of cell. Explain structure and functions of cell. [06]
b) Explain the events involved in cardiac cycle. [04]
- Q.4** Write short notes on **ANY TWO** of the following: [10]
- a) Lymph node
 - b) Conduction system of heart
 - c) Process of cell division

SECTION – II

- Q.5** Answer **ANY FIVE** of the following: [10]
- a) Define Anemia and enlist its types.
 - b) Classify respiratory system.
 - c) Write a note on role of enzymes in digestion.
 - d) Define the term hemophilia and leukopenia.
 - e) Give the composition of blood.
 - f) Draw well labeled diagram of stomach.
 - g) Give the classification of respiratory system.
- Q.6** Explain functions of blood and discuss in detail blood clotting pathway. [10]
- Q.7** a) Explain the physiology of respiration. [06]
b) Draw neat labeled diagram of digestive system and explain functions of liver. [04]
- Q.8** Write short notes on **ANY TWO** of the following: [10]
- a) ABO system of blood grouping
 - b) Structure and functions of salivary glands
 - c) Physiology of voice production