

SUBJECT: HUMAN ANATOMY & PHYSIOLOGY-I

Day : Thursday  
Date : 22/11/2018

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

W-2018-4065

**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 the **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

**SECTION – I**

- Q.1** A) Answer **ANY FIVE** of the following: [10]  
i) Define the terms medial and lateral.  
ii) Define the terms anatomy and Physiology.  
iii) Write the structure and functions of mitochondria.  
iv) Define homeostasis.  
v) Define Blood pressure.  
vi) Enlist the functions of lymphatic system.  
vii) Define atherosclerosis.
- Q.2** Explain in detail the anatomy of heart. Add a note on conduction system of heart. [10]
- Q.3** a) Explain in detail the formation of lymph. [06]  
b) Write an account on plasma membrane. [04]
- Q.4** Write short notes on **ANY TWO** of the following: [10]  
a) ECG  
b) Spleen  
c) Cartilages

**SECTION – II**

- Q.5** A) Answer **ANY FIVE** of the following: [10]  
i) Define peptic ulcer.  
ii) What is the fate of RBC?  
iii) Enlist the enzymes of digestion.  
iv) Define cough reflex.  
v) Enlist the functions of liver.  
vi) What is the composition and functions of blood?  
vii) Draw a neat labeled diagram of liver.
- Q.6** Enlist the organs of respiratory system. Describe in detail the physiology of respiration. [10]
- Q.7** a) Describe the structure and function of stomach. [06]  
b) Write a note on blood groups. [04]
- Q.8** Write short notes on **ANY TWO** of the following: [10]  
a) Absorption of food in small intestine.  
b) Mechanism of coagulation  
c) Anemia

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