

F.Y.B.PHARM. SEMESTER-I (2011 COURSE) : SUMMER - 2018

SUBJECT: HUMAN ANATOMY AND PHYSIOLOGY - I

Day: **Thursday**
Date: **03/05/2018**

Time: **10.00 AM TO 01.00 PM**
Max. Marks: **80**

S-2018-3943

N.B.;

- 1) **Q. No. 1 and Q. No. 5 are COMPULSORY.** Out of the remaining solve any **TWO** questions from each section.
- 2) Both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.
- 4) Draw neat labeled diagram wherever necessary.

SECTION – I

- Q.1** Define **ANY FIVE** of the following: **(10)**
- a) Lysosomes
 - b) Physiology
 - c) Anterior, Posterior
 - d) Columnar epithelium
 - e) Diagram of nerve cell
 - f) Hemostasis
 - g) Hypertension
- Q.2**
- a) Explain cardiac cycle in detail. **(08)**
 - b) Explain the factors affecting Blood pressure. **(07)**
- Q.3**
- a) Explain in detail the transport of molecules across the plasma membrane. **(08)**
 - b) Differentiate skeletal, smooth and cardiac muscle tissues. **(07)**
- Q.4** Write short notes on **ANY THREE** of the following: **(15)**
- a) Agranulocytes
 - b) ECG
 - c) Anemia
 - d) Blood Plasma

SECTION - II

- Q.5** Answer **ANY FIVE** of the following: **(10)**
- a) Define Lymph and write it's composition.
 - b) What is the composition and functions of pancreatic juice?
 - c) Draw neat labeled diagram of respiratory system.
 - d) What is peptic ulcer?
 - e) Enumerate the organs of digestive system with their functions.
 - f) What is pleura?
 - g) What is asthma?
- Q.6**
- a) Define internal and external respiration. Explain the gaseous exchange at lung and tissue level. **(08)**
 - b) Describe structure and functions of liver. Add a note on composition and functions of bile. **(07)**
- Q.7**
- a) Explain in detail the anatomy and physiology of intestine. **(08)**
 - b) Explain in detail the digestion and absorption of carbohydrates. **(07)**
- Q.8** Write a notes on **ANY THREE** of the following: **(15)**
- a) Spleen
 - b) Enzymes involved in digestion of food
 - c) Lungs
 - d) Stomach

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