

DOCTOR OF PHARMACY
First Year Pharm. D. : SUMMER : 2022
SUBJECT: HUMAN ANATOMY & PHYSIOLOGY

Day : Wednesday
Date 04-May-2022

S-5724-2022

Time : 10:00 AM-01:00 PM
Max. Marks: 70

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 FOUR** of the following: [08]
i) What are lysosomes? Enlist their functions.
ii) Define the terms anatomy and physiology.
iii) Define lymph. Write its composition.
iv) What is pleura?
v) Define asthma
- B) What are heart sounds? [03]
- Q.2** Explain in detail the anatomy of heart. Describe the events that occur during cardiac cycle. [12]
- Q.3** a) Explain in detail the anatomy of lungs. [07]
b) Write an account on skeletal muscle tissue. [05]
- Q.4** Write short notes on **ANY THREE** of the following: [12]
a) Spleen
b) ECG
c) Blood Groups
d) Simple Epithelial tissue

SECTION – II

- Q.5** A) Answer **ANY FOUR** of the following: [08]
i) Enlist cranial nerves and their functions.
ii) What is Cerebrospinal fluid?
iii) Give the Structure of middle ear.
iv) Write a note on anatomy of pancreas.
v) Brief on olfaction process.
- B) Explain the phases of gastric secretion and motility. [03]
- Q.6** Explain the anatomy of Female Reproductive system. Explain in detail phases of Female Reproductive cycle. Add a note on oogenesis. [12]
- Q.7** a) Explain principal actions of anterior pituitary hormones. [07]
b) Describe structure of thyroid gland and physiological role of thyroid hormones. [05]
- Q.8** Write short notes on **ANY THREE** of the following: [12]
a) Renin-Angiotensin-Aldosterone
b) Formation of urine
c) Anatomy and physiology of midbrain
d) Physiology of muscle contraction

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