

CLASS: **B.Pharm.-Ist Semester**
SUBJECT: **Human Anatomy And Physiology-I**
PAPER CODE: **BP-101T**

TIME: **Three Hours**

MAXIMUM MARKS: **75**

Min Pass:40%

NOTE: Question paper is divided into two sections A and B. Attempt both sections as per instructions given.

SECTION-A

(Short Answer Type Questions)

Note: Attempt any five questions in about 150 words each. Each question carries *SEVEN* Marks.

(5× 7=35)

- Q.1 Write a short note on basic life processes.
- Q.2 Write a short note on connective tissue.
- Q.3 Write a note on neuromuscular junction.
- Q.4 Draw a neat & clean well labeled diagram of skin
- Q.5 Define receptor and explain its type in short.
- Q.6 Write short note on action potential .
- Q.7 Write short note on mechanism of hearing.
- Q.8 Write short note on cranial nerves.
- Q.9 Write a note on mechanism of hormone action.
- Q.10 Write a note on pineal gland.

SECTION-B

(Long Answer Type Questions)

Note: Attempt any four questions in detail. Each question carries *Ten* marks. (4× 10=40)

- Q.1 Write in detail about cell division.
- Q.2 Write in detail about intracellular cell signaling pathway.
- Q.3 Explain physiology of muscle contraction with diagram.
- Q.4 Draw a well labeled diagram of brain and explain it in detail.
- Q.5 Write a note on the following : (5+5)
(a) Electrophysiology (B) Reflex Activity
- Q.6 Explain anatomy and physiology of ear in detail.
- Q.7 Explain any one disorder of eye in detail.
- Q.8 Explain adrenal gland with its hormone in detail.