

BACHELOR OF PHARMACY (B. PHARM.) (CBCS-2019 COURSE)

B. Pharm. Sem-I :SUMMER- 2022

SUBJECT : HUMAN ANATOMY & PHYSIOLOGY-I (THEORY)

Day : Monday

Date : 11/7/2022

S-20653-2022

Time : 10:00 AM-01:00 PM

Max. Marks : 75

N.B.

- 1) Q.1 and Q.5 are **COMPULSORY**. Out of the remaining attempt **ANY TWO** from each Section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw neat and labelled diagrams **WHEREVER** necessary.

SECTION – I

- Q.1** Answer the following: **(20)**
- a) Comment on nail as an accessory organ of skin.
 - b) Give the composition of bones of axial skeleton.
 - c) Enlist the functions of skin.
 - d) Draw well labelled diagram of nervous tissue.
 - e) Define anatomy and physiology and give their subdivisions.
 - f) Classify joints.
 - g) State the difference between active transport and passive transport.
 - h) Write a note on levels of structural organization of human body.
 - i) Write a note of lumbar vertebrae.
 - j) Draw well labelled diagram of humerus bone.

- Q.2** Answer any **TWO** from the following: **(2x10=20)**
- a) Define cell and explain different processes of transfer of material across the cell membrane.
 - b) Describe the organization of skeletal muscle and give the physiology of muscle contraction.
 - c) Define tissue and describe various types of epithelial tissue with well labelled diagrams.

SECTION – II

- Q.3** Answer any **SEVEN** from the following: **(7x5=35)**
- a) Explain the structure and functions of parasympathetic nervous system.
 - b) Explain various cranial nerves.
 - c) Explain physiology of hearing.
 - d) Write a note on electrocardiogram.
 - e) Write a note on cardiac cycle.
 - f) Describe the structure and functions of artery, vein and capillaries.
 - g) Explain structure and function of tongue.
 - h) Explain in detail the process of neurotransmission in parasympathetic nervous system.
 - i) Explain the anatomy and physiology of eye.

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