

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

B. Pharm. Sem-II :SUMMER- 2022

SUBJECT : HUMAN ANATOMY & PHYSIOLOGY-II

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 8/8/2022

S-20660-2022

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) Write a note on lobes of cerebrum
 - b) Write a note on meanings of brain.
 - c) Enlist the cranial nerves according to their number.
 - d) Give the functions of stomach.
 - e) Draw well labelled diagram of TS of spinal cord.
 - f) Write a note on CSF.
 - g) Draw a well labelled diagram of digestive system.
 - h) Write a note on lung.
 - i) Write a note on ventricles of brain.
 - j) Draw well labelled diagram of neuron.

- Q.2** Answer any **TWO** from the following: (2x10=20)
- a) Classify nervous system and give the anatomy and physiology of cerebrum and cerebellum.
 - b) Draw a neat labelled diagram of digestive system and explain the part of it.
 - c) Explain the physiology of internal and external respiration.

SECTION – II

- Q.3** Answer any **SEVEN** from the following: (7x5=35)
- a) Explain the mechanism of breathing and exchange of gases at lung and tissue level.
 - b) Explain the anatomy and physiology of male reproductive system.
 - c) Explain the physiology of menstrual cycle.
 - d) Explain the internal structure of kidney.
 - e) Write a note on chromosomes.
 - f) Describe the structure of pituitary gland.
 - g) Enumerate the functions of thyroid and parathyroid gland.
 - h) Explain in brief genetic pattern of inheritance.
 - i) Describe the process of spermatogenesis.

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