

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

B. Pharm. Sem-II : WINTER- 2022

SUBJECT : HUMAN ANATOMY & PHYSIOLOGY-II

Day : Saturday

Time : 10:00 AM-01:00 PM

Date : 21-01-2023

W-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) Classify nerves fibres and give their properties.
 - b) Enlist functions of liver.
 - c) What is action potential?
 - d) Classify nervous system.
 - e) Draw well labelled diagram of internal structure of liver.
 - f) Define respiration and classify respiratory system.
 - g) What is artificial respiration?
 - h) What are neurotransmitters?
 - i) Describe the lobes of cerebrum.
 - j) Write a note on salivary gland.

- Q.2** Answer any **TWO** from the following: **(2x10=20)**
- a) Draw well labelled diagram of digestive system and explain the process of chemical and mechanical digestion.
 - b) Draw well labelled diagram of respiratory system and explain the parts of it.
 - c) Explain the TS of spinal cord along with working of reflex arc.

SECTION – II

- Q.3** Answer any **SEVEN** from the following: **(7x5=35)**
- a) Explain the transport of O₂ and CO₂ in respiration process.
 - b) Explain the internal structure of kidney.
 - c) Write a note on spermatogenesis process.
 - d) Explain in brief RAA system.
 - e) Write a note on gene and DNA.
 - f) Describe the role of pineal gland.
 - g) Enumerate the functions of male and female reproductive system.
 - h) Describe the structure and function of pituitary gland.
 - i) Describe the anatomy and physiology of ovary.

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