

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

**B. Pharm. Sem-II : WINTER : 2021**

**SUBJECT: HUMAN ANATOMY & PHYSIOLOGY-II**

**Day : Monday**  
**Date : 10-01-2022**

**W-20660-2021**

**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) Write a note on meninges of brain.
  - b) What is cerebrospinal fluid?
  - c) Enlist various lung volumes and capacities.
  - d) Write a note on cerebellum.
  - e) Draw well labelled diagram of lobes of lungs.
  - f) Describe the term asthma and peptic ulcer.
  - g) Give the classification of nervous system.
  - h) Enlist the functions of stomach.
  - i) Draw well labelled diagram of TS of spinal cord.
  - j) What is action potential?

- Q.2** Answer any **TWO** from the following: **(2x10=20)**
- a) Explain the physiology of internal and external respiration.
  - b) Draw well labelled diagram of digestive system and explain the process of chemical and mechanical digestion.
  - c) Draw a neat, labelled diagram of TS of spinal cord and explain the internal structure of spinal cord.

**SECTION – II**

- Q.3** Answer any **SEVEN** from the following: **(7x5=35)**
- a) Explain the physiology of menstrual cycle.
  - b) Explain in detail protein synthesis process.
  - c) Write a note on RAA.
  - d) Write a note on pregnancy and parturition.
  - e) Enlist various sex hormones and explain their role.
  - f) Describe the process of oogenesis.
  - g) Explain in detail transport of O<sub>2</sub> and CO<sub>2</sub> during respiration.
  - h) Describe the structure and function of pituitary gland.
  - i) Enumerate the disorder of endocrine system. Write a note on thymus gland.

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