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FACULTY OF SCIENCE AND TECHNOLOGY

B.Pharm. (First Year) (Second Semester) EXAMINATION

MARCH/APRIL, 2023

HUMAN ANATOMY AND PHYSIOLOGY-II

Paper-BP-201-T

(Friday, 17-03-2023)

Time : 10.00 a.m. to 1.00 p.m.

Time— Three Hours

Maximum Marks—75

N.B. :— (i) Answer to the point only.

(ii) Draw a neat labelled diagram wherever necessary.

(iii) All questions are compulsory.

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1. Answer all the questions :

10×2=20

(a) Draw a neat labelled diagram of neuron.

(b) Define Neurotransmitters and enlist any *two* neurotransmitters.

(c) Write the functions of liver.

(d) Define the term BMR.

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(e) Write the functions of calcitonin and PTH.

(f) Give the composition of normal urine.

(g) Define the terms chromosomes and genes.

(h) Give composition of gastric juice.

(i) Define the term Tidal volume and vital capacity.

(j) Define puberty and menopause.

2. Answer the following (any *two*) : <https://pharmacyindia.co.in/>

2×10=20

(a) Draw a neat labelled diagram of pituitary gland and write the physiological role of pituitary gland.

(b) Discuss in detail digestion and absorption of carbohydrates, proteins and fats in GIT.

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(c) Describe in detail the anatomy and physiology of Male Reproductive System.

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3. Answer the following (any seven) :

7×5=35

- (a) Draw a neat labelled diagram of spinal cord and write in short about reflex activity. <https://pharmacyindia.co.in/>
- (b) Write the physiology of urine formation.
- (c) Write the mechanism of respiration.
- (d) Write a note on menstrual cycle. <https://pharmacyindia.co.in/>
- (e) Draw a neat labelled diagram of pancreas and write its functions.
- (f) Write in brief on protein synthesis.
- (g) Write the mechanism of RAAS in fluid balance.
- (h) Write a short note on fertilization and spermatogenesis.
- (i) Draw a neat labelled diagram of stomach and write its anatomy and physiology. <https://pharmacyindia.co.in/>

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