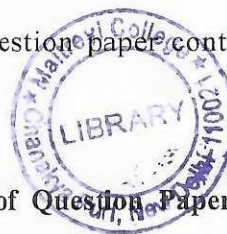


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- (b) Structure of nephron
- (c) Composition of blood
- (d) Muscular Tissue

[This question paper contains 4 printed pages.]



21.12.2023(E)

Your Roll No.....

Sr. No. of Question Paper : 2432

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Unique Paper Code : 2234001001

Name of the Paper : GE-1: Human Physiology

Name of the Course : **B.Sc./B.Com./B.A Theory Examination, March-2023**

Semester : I, UGCF

Duration : 2 Hours

Maximum Marks : 60

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **Four** questions in all Question No. 1 is compulsory.
3. Draw well labelled diagram wherever required.

1. (a) Define each of the following terms : (4)

(i) Pneumocytes

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(ii) Deglutition

(iii) Astrocytes

(iv) Sweat glands

(b) Differentiate between each of the following pairs : (8)

(i) Exocrine and Endocrine glands of the pancreas

(ii) Depolarization and Repolarization

(iii) Primary follicle and Graafian follicle

(iv) A-type spermatogonia and B-type spermatogonia

(c) Give the location and function of each of the following structures : (3)

(i) SA node

(ii) Brunner's Gland

(iii) Leydig cells

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2. (a) Describe the digestion and absorption of proteins in digestive tract. (8)

(b) Discuss the various phases of cardiac cycle. (7)

3. (a) Discuss the generation and conduction of action potential through myelinated and non myelinated nerve fibre. (10)

(b) Comment on sliding filament theory of muscle contraction. (5)

4. (a) Describe the process of pulmonary ventilation and muscles associated with it. (8)

(b) Give an account of hormonal regulation of spermatogenesis. (7)

5. (a) Describe the structural anatomy of kidney. (9)

(b) Describe the transport of carbon dioxide in blood. (6)

6. Write short notes on **any three** of the following : (5,5,5)

(a) Structure of ovary

P.T.O.