

04-12-24

Printing Page(s) : 1 Paper Code : BDS-102

(C) (SVSU:2023-24/R)

Enrolment No.

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BDS

1st YEAR EXAMINATION

GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY, NUTRITION & DIETICS

Time : 3 Hours]

[Max. Marks : 70]

Note: The question paper is divided into two Sections A & B. Attempt all questions as per instructions. Draw diagram to support your answer, wherever necessary. Attempt both the parts in separate answer sheets.

PART - A

(GENERAL HUMAN PHYSIOLOGY)

[Max Marks: 35 marks]

1. Define the Menstrual Cycle. Discuss the different phases of the Menstrual cycle with the help of a diagram. [2+8=10]
2. Write short notes on : [5x4=20]
 - (a) Contraceptives
 - (b) Diffusion
 - (c) Reflex Arc
 - (d) Juxta Glomerular Apparatus
3. Define the following : [1x5=5]
 - (a) Jaundice
 - (b) Vital capacity
 - (c) Hypertension
 - (d) Peristalsis
 - (e) Anticoagulants

PART - B

(BIOCHEMISTRY)
(Nutrition & Dietics)

[Max Marks:35 marks]

- Q 1.:** Define iso-enzymes and their diagnostic applications. Mention utility of therapeutic enzymes with example. [5+3=8]
- Q 2.:** Discuss the biochemical basis of Phenylketonuria? Discuss in short main characteristics and the laboratory diagnosis of phenylketonuria. [3+3=6]
- Q3.:** Describe the sources, RDA, absorption, biochemical functions and deficiency manifestations of vitamin D. [1+1+1+2+1=6]
- Q 4. Write short answers:** [3x5=15]
1. Iron deficiency Anemia
 2. Inhibitors of ETC.
 3. Functions of Vitamin B12 and its deficiency disorders.
 4. Gluconeogenesis.
 5. Enzyme of Replication.
