

Printing Page(s) : 2

Paper Code : BDS-102

(B) SVSU 2024-25/R

Enrollment No.

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BDS

1st YEAR EXAMINATION

GENERAL HUMAN PHYSIOLOGY & BIOCHEMISTRY

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.

SECTION-A

(M.M.:35)

(General Human Physiology)

1. Define Menstrual Cycle. Discuss its various phases with [2+8=10]
the help of a diagram.
2. Write short notes on: [5x4=20]
 - (a) Juxta Glomerular apparatus
 - (b) Baroreceptors
 - (c) Referred Pain
 - (d) Blood Groups
3. Define the following: [1x5=5]
 - (a) Reflex Arc
 - (b) Peptic Ulcer
 - (c) Goiter
 - (d) Hypoxia
 - (e) Cardiac Output

SECTION-B
(Biochemistry)

(M.M.:35)

1. What are the different types of enzyme inhibition? [2+4]
Explain with suitable examples.
2. What are isoenzymes? Give examples. What is their [3+3]
clinical significance?
3. Describe sources, biochemical functions, requirement & [1+2+2+3]
deficiency manifestation of vitamin A.
4. Write short answers: (Attempt any five) [3x5=15]
 - (a) Fluid mosaic model
 - (b) Polysaccharides
 - (c) Antioxidants
 - (d) Wald's visual cycle
 - (e) Kwashiorkor
 - (f) Gout
