

Printing Page(s) : 1

Paper Code : BDS-102

(B) (SVSU:2020-21/R)

Enrolment No.

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BDS

1st YEAR EXAMINATION

General Human Physiology & Biochemistry

Time : 3 Hours]

[Max. Marks : 70

NOTE: A. Use separate answer sheets for Section A & B.

B. Attempt questions in the same order as mentioned in the question paper.

C. Attempt all questions as per instructions.

D. Draw well labeled and neat diagram where ever necessary.

Section – A (General Human Physiology)

[MM- 35]

Q.1 Enumerate the hormones of thyroid gland. Write their functions. Differentiate

between Hyperthyroidism and Hypothyroidism.

(2+5+3=10)

Q.2 Write short notes on

(5*4=20)

- Cardiac output & factors affecting it
- Refractive errors of eye
- Juxta glomerular apparatus
- Functions of saliva

Q.3 Define the following

(1*5=5)

- Blood pressure
- Anaemia
- Ovulation
- Vital capacity
- Neuro muscular Junction

Section – B (Biochemistry)

[MM- 35]

Q 1.: Differentiate between type 1 and type 2 diabetes mellitus. Describe the acute and chronic complications in diabetes mellitus.

[2+6=8]

Q 2.: Describe the types, causes and clinical features of protein energy malnutrition.

[1+2+3=6]

Q 3.: Describe the functions of calcium in body. How is serum calcium level regulated.

[3+3=6]

Q 4.: Write short answers :

[3*5=15]

- Purine Salvage Pathway.
- Applications of Recombinant DNA Technology
- Clinical significance of Isoenzymes.
- Significance of HMP shunt.
- Reverse Cholesterol Transport.
