



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examination 2023

(Under CBCS Pattern)

Semester — II

Subject : NUTRITION

Paper : C-4T

(Human Physiology)

Full Marks : 40

Time : 2 hours

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from **all** the Groups as directed.

GROUP—A

1. Answer **any five** questions from the following :
 $2 \times 5 = 10$

(a) Why is lysosome called “suicidal bag”?

(2)

- (b) State the role of rough surface endoplasmic reticulum.
- (c) State Frank-Starling law of heart.
- (d) What is chymotrypsinogen?
- (e) What is binocular vision?
- (f) Write the function of erythropoietin.
- (g) What do you mean by erythroblastosis fetalis?
- (h) Differentiate between EPSP and IPSP.

GROUP—B

Answer **any four** questions from the following :

$5 \times 4 = 20$

- 2. Discuss the ovarian changes during menstrual cycle.
- 3. Describe the intrinsic mechanisms involved in blood coagulation.
- 4. Write any four major causes of bone abnormalities of the human skeletal system.

(3)

5. Describe the function of J-G apparatus.
6. Discuss the transport of oxygen in blood.
7. What is the role of bile in fat digestion and absorption?

GROUP—C

Answer **any one** question from the following :

$$10 \times 1 = 10$$

8. State the advantages of biconcave shape of RBC. Discuss in brief the importance of Rh factor. Write the origin and function of sympathetic nervous system. $2+3+5=10$
9. Explain briefly the events of ventricular systole and diastole during cardiac cycle. Discuss briefly the role of skin in body temperature regulation. $(3+3)+4=10$

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