



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 :
2×5=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 :

10×1=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

★ ★ ★