



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2021

(Under CBCS Pattern)

Semester - II

Subject: NUTRITION

Paper : C 4-T & P

Human Physiology

Full Marks : 60(Theory-40 + Practical-20)

Time : 3 Hours

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

The figures in the margin indicate full marks.

[THEORY]

Answer *any two* of the following:

2×15=30

- 1 a. Define blood pressure. What is systolic and diastolic pressure?
- b. Describe cardiac cycle.
- c. Write a short note on blood group.

(2+3)+5+5

2. a. Define the sliding filament theory.
- b. What is acetylcholine? What do you mean by sensory nervous system?
- c. Describe the structure of a neuron. 5+(2+3)+5
3. a. Write the functions of the skin.
- b. Describe the structure of the skin briefly.
- c. Write the structure and the functions of spleen. 5+5+5
4. a. Describe menstrual cycle.
- b. Discuss any two common diseases of eye.
- c. What is placenta? Mention its function. 5+5+(2+3)

Answer **any one** of the following: 1×10=10

5. a. How is urine formed?
- b. What are the functions of ADH and Insulin? 5+5
6. a. What are the different components of blood?
- b. Describe the architecture of an ideal prokaryotic cell. 5+5

[PRACTICAL]

Answer **any one** of the following: 1×20=20

7. Write the procedure of preparation of a blood film. 20
8. Write the principle and methods of determining the bleeding time and clotting time of blood. 20

9. Write two salient features of the following histological slides-

20

- a. Cerebellum
- b. Pituitary
- c. Small Intestine
- d. Ovary
- e. Liver

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