

Undergraduate 2nd Semester (Honours) Examinations, 2020-2021

Subject: NUTRITION

Course ID: 22311

Course Code: SH/NUT/201/C-3

Course Title: Human Physiology II

Full Marks: 25

Time: 1hr. 15mins.

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words

as far as practicable.

Answer all the questions

UNIT I

1. Answer *any five* of the following questions: 1x5=5

- a) What do you mean by tropic hormone?
- b) Name the hormone secreted from Leydig's cells of testes.
- c) Write one function of ADH.
- d) What is parturition?
- e) What is isotonic muscle contraction?
- f) Mention the function of dendron.
- g) What is neuromuscular junction?
- h) Mention the origin of sympathetic nervous system.

UNIT II

2. Answer *any two* of the following questions: 5x2=10

- a) Structurally differentiate cardiac muscle and visceral muscles. What is rigor mortis? 3+2
- b) What is lactation? Describe different stages of lactation. 1+4
- c) Write a short note on limbic system. 5
- d) State the role of insulin on carbohydrate metabolism. What is type 2 diabetes mellitus? 4+1

UNIT III

3. Answer *any one* of the following questions:

10x1=10

- a) Mention different types of secretory cells present in the thyroid gland. Mention the functions of thyroxin. What do you mean by euthyroid condition? What is Graves' disease? 2+4+1+3
- b) Describe spermatogenesis. Write the roles of hormones in spermatogenesis. What is implantation? 5+3+2

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