

UNDERGRADUATE SECOND SEMESTER (HONOURS) EXAMINATIONS, 2021-22

Subject: Nutrition

Course ID: 22311

Course Title: Human Physiology II

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

Full Marks: 25

Time: 1 Hour 15 Minutes

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) Mention the location of pituitary gland.
- b) What is sarcomere?
- c) Write the function of Sertoli cells of testis.
- d) What is corpus collosum?
- e) Mention two characteristics of fast twitch muscles.
- f) Write two major functions of HCG.
- g) What is acromicria?
- h) What is motor neuron?

UNIT II

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

- a) Describe the mechanism of muscle contraction. What is 'all or none law'? 4+1
- b) Mention the composition and functions of cerebrospinal fluid. 3+2
- c) Mention the different physiological changes noted during pregnancy. What do you mean by menopause? 3+2
- d) Name the hormones secreted from adrenal medulla. Write the functions of these hormones. Mention two features of Addison's disease. 1+3+1

UNIT III

3. Answer any one of the following questions: 1x10=10

- a) Draw and describe the different parts of neuron. Functionally differentiate sympathetic and parasympathetic nervous system. Name the different lobes of cerebrum. (2+3)+3+2
- b) Describe the ovarian changes that occur during the different phases of menstrual cycle. Name the hormones secreted from ovary. Write the functions of oestrogen. 5+2+3

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