

B.Sc. Semester-II Examination, 2022-23**NUTRITION [Honours]**

Course ID : 22312 Course Code : SH/NUT/202/C-4

Course Title : Human Physiology II

Time : 1 Hour 15 Minutes Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I**1. Answer any **five** of the following questions:

1×5=5

- What is parturition?
- Write any two functions of vasopressin.
- Which hormone secreted from Parafollicular cell?
- What is toxic goitre?
- Write one function of Seminal vesicles.
- What is neuromuscular junction?
- What is rigor mortis?
- Write the name of primary lymphoid organ.

*[Turn Over]***UNIT-II**2. Answer any **two** of the following questions:

5×2=10

- What is isotonic muscle contraction? Differentiate cardiac muscle and visceral muscles. 1+4
- Write the difference between humoral immunity and cell mediated immunity. What are attenuated vaccines? 4+1
- How does implantation occur in uterus? State the ovarian changes that occur during the follicular phase of menstrual cycle. 3+2
- Why pituitary is called the master gland? Mention two hormones released from posterior pituitary. Explain the deficiency syndrome of GH. 1+1+3

UNIT-III3. Answer any **one** of the following questions:

10×1=10

- Describe the cross-bridge mechanism of muscle contraction. What is sarcomere unit? What is refractory period? Describe the depolarization and repolarization phases of action potential. 5+1+1+3

- b) Define Sympathetic and parasympathetic nervous system. What is reflex arc.? Write briefly about the location and functions of cerebellum and hypothalamus. 1+1+2+(3+3)
