

*SH-II/Nutrition/201/C-3/19***B.Sc. 2nd Semester (Honours) Examination, 2019****NUTRITION****(Human Physiology-II)****Paper : 201/C-3 T3****Course ID : 22311****Time: 1 Hour 15 Minutes****Full Marks: 25***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer *any five* questions: 1×5=5
- (a) What are the emergency hormones in human body?
 - (b) Which gland is called the master gland?
 - (c) Which part of the brain does regulate endocrine functions?
 - (d) Mention two salient features of cardiac muscle.
 - (e) What is Corpus Callosum?
 - (f) What do you mean by LH surge?
 - (g) Define the process of Spermatocytogenesis.
 - (h) What is synaptic cleft?
2. Answer *any two* questions: 5×2=10
- (a) Describe in brief the properties of skeletal muscle. What is a sarcomere unit? 4+1=5
 - (b) Describe the process of female gametogenesis. 5
 - (c) What is Cerebellum? Give an idea about the limbic system. 1+4=5
 - (d) Which is the hormone responsible for the 'let down' reflex during lactation? Why is pancreas called a mixed gland? Name two adeno-hypophysial hormones. 1+2+2=5
3. Answer *any one* questions: 10×1=10
- (a) Name the structural and functional unit of the nervous system. Describe its structure with a neatly labelled diagram. Write a short note on CSF. 1+6+3=10
 - (b) Which gland is called the supra-renal gland? Name the hormones secreted from different parts of this gland. Mention two important functions for each. 1+4+5=10