

*SH-II/Nutrition/202/C-4/19***B.Sc. 2nd Semester (Honours) Examination, 2019****NUTRITION****(Food Science and Basic Nutrition II)****Paper : 202/C-4 T4****Course ID : 22312****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 chief cation & anion in ECF & ICF?
 - (b) Write two important features of hypocalcemic tetany.
 - (c) What is cheilosis?
 - (d) Write the RDA of ascorbic acid for normal adults.
 - (e) What is hypokalemia?
 - (f) What are the coenzyme forms through which niacin takes part in metabolism?
 - (g) What is Wernicke-Korsakoff syndrome?
 - (h) Mention two important sources of selenium.
2. Answer *any two* questions: 5×2=10
- (a) Write the important functions of vitamin C. What is infantile scurvy? 4+1=5
 - (b) Mention the functions of iron in human body. What are the effects of excess intake of iron? 3+2=5
 - (c) Write the role of vitamin E as antioxidant. Mention important sources of Vitamin E. 3+2=5
 - (d) Describe the mechanism of calcium absorption in our body. 5
3. Answer *any one* questions: 10×1=10
- (a) Describe the role of vitamin A in visual cycle. Write the consequence of vitamin A deficiency. 5+5=10
 - (b) Write the role of nervous system and endocrine system in regulating water balance. Mention some conditions in which positive water balance is noted. What is water intoxication? (3+3)+2+2=10