

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

Course ID : 22311 Course Code : SH/NUT/201/C-3

Course Title : Food Science and Basic Nutrition 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 the relationship between sunlight and vitamin D?
- Give example of two antioxidant minerals.
- Which vitamin deficiency results in Casal necklace?
- What do you mean by interstitial fluid?
- Write the full form of FAD and FMN.
- What do you mean by pseudo vitamin?
- Define the term koilonychia.
- State the RDA of folic acid and iron during pregnancy period.

*[Turn Over]***UNIT-II**2. Answer any **two** of the following questions: 5×2=10

- What are the vitamers of vitamin B6? Explain the role of PLP in protein metabolism. 2+3
- Discuss how iron is absorbed in human body? 5
- State the role of vitamin K in blood coagulation. Give a brief idea about vitamin K cycle. 3+2
- Give example of some selenium rich foods. Discuss the synergistic function of Selenium with Vitamin E. What is keshan disease? 2+2+1

**UNIT-III**3. Answer any **one** of the following questions:

10×1=10

- Distinguish between ECF and ICF. Explain the regulation of water balance in human body. Write the symptoms of water intoxication. 2+5+3
- Discuss the versatile function of ascorbic acid. State the deficiency symptoms of vitamin C in adults. Give four rich sources of vitamin C. 5+3+2