

CND 1.4

Sl.No. : 0016

Total No. of Pages : 2

**I Semester M.Sc. Degree Examination, July/August 2019
(SLM Scheme)**

CLINICAL NUTRITION AND DIETETICS

Paper - IV : Human Nutrition

Time : 3 Hours

Max. Marks : 80

Instruction : *Answer the questions from all parts following their internal choice.*

PART - A

Answer any four of the following:

[4 × 5 = 20]

Q1) What are the regulations and disorders of water balance?

Q2) Write the factors influencing Basal metabolism.

Q3) Write the role of sodium in Human nutrition.

Q4) What are Essential and Non - essential fatty acids? Give example.

Q5) Write the dietary sources and deficiency disorders of Vitamin K.

Q6) Explain the deficiency and toxicity of Iodine.

PART - B

Answer any three of the following:

[3 × 10 = 30]

Q7) Elaborate on different methods of evaluating protein quality.

Q8) Discuss on intake, deficiency and toxicity of Copper.

Q9) Explain the utilization of Vitamin D in Human Body.

Q10) Discuss the deficiency and toxicity of Pantothenic acid and biotin.

Q11) Elaborate on Nutraceuticals.

PART - C

Answer any two of the following:

[2 × 15 = 30]

Q12) Explain the physiological functions of Carbohydrates and factors influencing carbohydrate metabolism.

Q13) Describe Lipids under the following heads:

- a) Physiological functions
- b) Sources
- c) Requirement

Q14) Elaborate on water soluble and fat soluble Vitamins. Add a note on their toxicity.

Q15) Describe the physiological functions of Zinc and Calcium. Add a note on their sources.

