

Reg. No. :

Name :

Fourth Semester M.Sc. Degree Examination, May 2020

Home Science

XD – Food and Nutrition/XE – Nutrition and Dietetics

HS 242 D/HS 242 E – ADVANCED HUMAN NUTRITION

(2018 Admission)

Time : 3 Hours

Max. Marks : 75

PART – I

All questions carry equal marks. No answer should exceed 4 pages.

1. (a) BMR – Factors affecting and specific dynamic action.

OR

(b) Write the calcium under the following heads :

- (i) Functions
- (ii) Deficiency disorders
- (iii) Factors affecting absorption.

2. (a) Explain lipids with reference to its classification, function, digestion and metabolism.

OR

(b) Discuss the functions, metabolism and typical deficiency symptoms of vitamin C.

(2 × 15 = 30 Marks)

P.T.O.



PART – II

All questions carry equal marks. No answer should exceed **2** pages.

3. (a) Fiber is an indispensable nutrient in human health. Justify.

Or

- (b) Write on biotin and explain the role of B vitamins in energy metabolism.

4. (a) Explain the role of iron in human body. What steps can be adopted to prevent deficiency disease.

Or

- (b) Give the importance of Vit. B2 in human nutrition.

(2 × 10 = 20 Marks)

PART – III

Answer any **five**, each not exceeding **one** page.

5. (a) Explain the relation between nutrition and health.

- (b) Vit-A is important for vision. Justify.

- (c) Write a note on Vit. B12 deficiency disorders.

- (d) Explain the interrelationship of calcium, phosphorous and Vit. D.

- (e) Factors affecting protein utilization.

- (f) Difference between direct and indirect calorimetry.

- (g) Write on Vit.B, deficiency disorders.

(5 × 5 = 25 Marks)

