

(Pages : 3)

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Reg. No. :

Name :

Fourth Semester M.Sc. Degree Examination, March 2021

Home Science

XD – Food and Nutrition/XE – Nutrition and Dietetics

HS 242 D/HS 242 E – ADVANCED HUMAN NUTRITION

(2018 Admission Onwards)

Time : 3 Hours

Max. Marks : 75

PART – I

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

1. (a) Bring out the role of essential fatty acids. Explain any two fat soluble vitamins in terms of
- (i) importance
 - (ii) deficiency
 - (iii) transportation and
 - (iv) deficiency

OR

- (b) Describe the regulation of electrolyte balance in humans.

P.T.O.



2. (a) Explain on dietary fibre in terms of

- (i) significance
- (ii) classification
- (iii) deficiency disorders
- (iv) requirements

OR

(b) Explain on

- (i) significance of dietary iron in our body
- (ii) metabolism, transportation and absorption
- (iii) disorders of deficiency

(2 × 15 = 30 Marks)

PART – II

All questions carry equal marks. No answers should exceed 2 pages.

3. (a) Explain fluorine in terms of

- (i) physiological function
- (ii) fluorine and dental caries
- (iii) sources.

OR

(b) Explain the factors affecting BMR.



4. (a) Discuss the factors affecting bioavailability of calcium.

OR

- (b) Computation of protein requirements through
- (i) factorial methods
 - (ii) dietary methods.

(2 × 10 = 20 Marks)

PART – III

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

5. (a) Sources of phosphorus
- (b) PEM
- (c) Vitamin A and vision
- (d) Aminoacid imbalance
- (e) Calcium phosphorus ratio.
- (f) Fibre for health
- (g) Deficiency of protein

(5 × 5 = 25 Marks)