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FNH 451

II Semester M.Sc. Degree (CBCS) Examination, September/October 2022
FOOD SCIENCE AND NUTRITION
Vitamins in Human Nutrition

Time : 3 Hours

Max. Marks : 70

1. Write short notes on **any five** of the following (**not** exceeding **2** pages **each**).
(5×3=15)
 - a) Choline.
 - b) Niacin and Riboflavin.
 - c) Deficiency and symptoms of niacin.
 - d) Vitamins – D and K.
 - e) Vitamin toxicity.
 - f) Thiamine.
 - g) Pangamate.
 - h) Pseudovitamins.

2. Write explanatory notes on **any five** of the following (**not** exceeding **3** pages **each**).
(5×5=25)
 - a) Toxicity and storage of Vitamin E.
 - b) Changes during preparation and handling of vitamins.
 - c) Write a brief note on riboflavin.
 - d) Discuss the factors affecting the absorption of vitamins.
 - e) Write a note on vitamin like compounds.
 - f) Significance of vitamins in human health.
 - g) Write short note on flavonoids.
 - h) With suitable example, give an account on Vitamin-Drug interaction.

P.T.O.



3. Answer **any three** of the following (**not** exceeding **5** pages **each**). **(3×10=30)**

- a) Vitamins have different jobs to help keep the body working properly.
– Justify the statement.
 - b) Give a detailed account on Vitamin A and its deficiency disorder.
 - c) With respect to Cobalamin, discuss the following : Sources, daily requirements, deficiencies and symptoms and treatment.
 - d) Elaborate on the differences between natural and artificial vitamins with a suitable example.
 - e) Discuss in detail about the interaction various types of food with drug.
Add a note on its consequences.
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