

SEMESTER III

HND3 C10 VITAMINS AND MINERALS

- CO1 Understand the mechanisms of regulation of metabolic pathways in human body.
- CO2 Gain insight into interrelationships between various metabolic pathways. Understand the methodology for derivation of requirements for specific micronutrients
- CO3 To gain knowledge about different micro nutrient deficiencies
- CO4 Obtain depth on the study of major nutrients

HND3 C11 COMMUNITY NUTRITION

- CO1 Understand the concept of Nutrition Security
- CO2 Gain an insight into various approaches and strategies for combating malnutrition
- CO3 Understand the various Government programs and policies aimed at improving the health and nutritional status of the population.
- CO4 Develop insight in planning, implementing, monitoring and evaluating nutrition programmes
- CO5 Assess nutritional status using different techniques

HND3 C12 PAEDIATRIC NUTRITION

- CO1 Realize the importance of nutritional care and nourishment of children
- CO2 Understand the specific needs of children and effects of various diseases on nutritional status and nutritional requirements
- CO3 Normal growth, development and behavior and their assessment, as well as approaches to abnormalities from infancy
- CO4 Health maintenance and preventive care for children, including age-related issues in nutrition, safety, vaccination and risk factor identification and modification

HND3 E01(3) NUTRITIONAL COUNSELLING AND EDUCATION

- CO1 To understand the principles and methods of counselling.
- CO2 To apply counselling methods to patients with different diseases
- CO3 To promote body's potential towards health, wellness and disease prevention
- CO4 To help individuals overcome their immediate problems and also to equip them to meet future problems

HND4I01 HOSPITAL INTERNSHIP AND COMMUNITY NUTRITION EDUCATION PROGRAMME

- CO1 Develop skills in diet counseling and feeding of patients.

CO2 Experiential learning to understand the needs of industry

CO3 Develop professional ethics

SEMESTER IV

HND4 C13 METABOLIC AND BIOCHEMICAL CHANGES IN DISEASES

CO1 To enable the students to understand the biochemical and physiological changes in diseases.

CO2 Understand the use of colorimetry in biochemical estimations.

CO3 Develop skills in chromatography.

CO4 Apprehend principles of buffers and gain competence in their preparation.

CO5 Acquire skill in spectrophotometric method of quantitative estimations of biomolecules

CO6 Attain competence in electrophoresis.

HND4 L02 METABOLIC AND BIOCHEMICAL CHANGES IN DISEASES – PRACTICAL

CO1 Develop skills to estimate selected body metabolites

CO2 Understand the clinical significance of selected body metabolites

CO3 Analyze the reliability of different procedures to assess the blood parameters

HND 4 E02 (1) DIABETIC CARE AND MANAGEMENT

CO1 Obtain in depth knowledge about diabetes mellitus

CO2 Awareness of various complications during diabetes mellitus

CO3 Knowledge about the management of diabetes mellitus through diet, exercise and medication.

CO4 Improve standards and outcomes of diabetes care, efforts in the following areas appear crucial: diagnostic procedures and therapeutic management

CO5 Evaluate the impact of a diabetes education program on the clinical outcomes in patients with diabetes mellitus

HND4 E03 (1) FOOD SAFETY AND QUALITY CONTROL

CO1 Explain the application of food quality and food safety system

CO2 Identify the hazard of the food chain to ensure food safety

CO3 Examine the chemical and microbiological quality of food samples

CO4 Detect the adulteration in food samples

CO5 Explain the importance of quality assessment.

HND4P01 PROJECT

CO1 Develop understanding on various kinds of research, objectives of research and research process, research design, sampling

CO2 Basic knowledge on qualitative research techniques and quantitative research analysis