ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD (Department of Home & Health Sciences)

Course: Modern Nutrition in Health & Disease (1781)

Level: M.S Semester: Autumn, 2013

Credit: 3(3 + 0)

CONTENT LIST

Course Book
 Course Outline
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5. Schedule for submitting assignments, practical and workshops.

Note: If any item from the above mentioned content list is missing from your study packet, kindly contact:

The Mailing Officer
Mailing Section
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Allama Iqbal Open University
Sector H-8, Islamabad

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD (Department of Home & Health Sciences)

WARNING

- 1. PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.
- 2. SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".

Course: Modern Nutrition in Health & Disease (1781) Semester: Autumn, 2013
Level: M.S

Credit: 3 (3+0)
Pass Marks: 50

ASSIGNMENT No. 1

Units (1-4)

Note: All questions are compulsory. Each question carries equal marks.

- Q.1 What is meant by Amino Acid Pool? How are Amino Acids distributed and transported in the body? (20)
- Q.2 Discuss Hormonal Regulation of Carbohydrate metabolism. (20)
- Q.3 Describe signs and implications of deficiency and excess of following minerals/vitamins in the body.

a) Manganese (10)

- b) Vitamin A (10)
- Q.4 Discuss Vitamin D as Anti-Ricketic factor. Elaborate on its role in calcium and phosphorus metabolism. (20)
- Q.5 Elaborate on the biological role of calcium in the body. Discuss deficiency symptoms and treatment among children and adults. (20)

ASSIGNMENT No. 2

Units (5-9)

Total Marks: 100 Pass Marks: 50

Note: All questions are compulsory. Each question carries equal marks.

- Q.1 What are the health implications of chemosensory disorders? Discuss the effect of Nutritional Status on chemosensory functions. (20)
- Q.2 Define metabolic syndrome. Discuss its relationship to insulin resistance and clinical utility. (20)

- Q.3 Define obesity as health problem. Elaborate on this health issue as a disorder of energy balance. (20)
- Q.4 Discuss etiology and risk factors of behavioral disorders affecting food intake. Elaborate on role of nutritionist in management of these disorders. (20)
- Q.5 Discuss protein Energy Malnutrition as Nutritional disorder among children with special reference to Pakistan. Compare the situation with developed countries with the help of recent most review of literature. (20)

COURSE OUTLINE OF MODERN NUTRITION IN HEALTH & DISEASE-I (1781)

- Unit 1: Major dietary constituents, Energy Needs and Signs of Clinical Deficiencies
- Unit 2: Vitamins and Signs of Clinical Deficiencies
- Unit 3: Minerals and Signs of Clinical Deficiencies
- Unit 4: Other Compounds with Health Relevance
- Unit 5: Metabolic Regulation
- Unit 6: Metabolic Syndrome
- Unit 7: Obesity and Physical Fitness
- Unit 8: Psychiatric and Behavioral Disorders
- Unit: 9: Pediatric Nutritional Disorders