

Chittagong Veterinary and Animal Sciences University

MS in Applied Human Nutrition and Dietetics

July- December Semester Final Examination-2015

Course Title: Advanced Micronutrients

Course Code: ADN-502

Full Marks: 40

Time: 2 hours

Answer any four questions. Figures in the right margin indicate full marks.

1. a. What is Dose-response relationship? What are the differences between acute effects and chronic effects? 5.0
b. What are the different forms of toxic materials found in environment? 5.0
2. a. Illustrate the biosynthesis of NAD and Co-enzyme A with chemical structure. 6.0
b. Give a detailed comparison of Niacin coenzymes with Riboflavin coenzymes. 4.0
3. a. Write notes on Vitamin A and its absorption with biochemistry. 5.0
b. Diagrammatically represent the Methylation cycle with its significance. 5.0
4. a. Shortly discuss on hematologic method. 5.0
b. What are the interactions among Vitamin E, Antioxidants and Atherosclerosis? 5.0
5. a. What is vitamin K cycle? 3.0
b. Briefly describe the blood clotting cascade mechanism? 7.0

Chittagong Veterinary and Animal Sciences University
MS in Applied Human Nutrition and Dietetics

June- December Semester Final Examination-2015

Course: Advanced Dietetics

Course Code: ADD-502

Full Marks: 40 Time: 2 hours

1. What is preterm and term infant? What are the common problems among premature infants? Describe the nutritional requirements for parental feeding of the preterm infant. 10
2. What do you mean by bioavailability? Explain the effects of food on drug therapy. 10
3. Define bolus feeding and continuous drip infusion. Describe the conditions that often require nutritional support. 10
4. What is anorexia nervosa and bulimia nervosa? Can dieting cause eating disorder? Describe the guidelines for diet therapy in anorexia nervosa. 10
5. What is Phenylketonuria? Describe the nutritional management of Phenylketonuria. 10

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June- December Semester Final Examination-2015

Course: Evidence- Based Management of Public Health Programs

Course Code: EMP-502

Full Marks: 40

Time: 2 hours

Answer any four questions. Figures in the right margin indicate full marks.

1. What are the two basic types of evaluation? How are they interrelated with each other? 10
2. What is program evaluation? Distinguish the principles of research and evaluation 10
3. How do you develop questions for evaluation? Why it is necessary? What are the advantages and disadvantages of qualitative data? 10
4. What is 'log frame'? Describe log frame with an example. 10
5. Describe the CDC's framework to evaluate public health program. 10

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June- December Semester Final Examination-2015

Course: Medical Nutrition Therapy

Course Code: MNT-502

Full Marks: 40 Time: 2 hours

1. What is fatty liver? Describe the dietary management of Hepatitis. 10
2. Describe the general principles of dietary management in renal diseases. 10
3. What do you mean by dislipidemia? Classify hyperlipidemia with its clinical and biochemical features? 10
4. Describe the common causes and clinical features of malabsorption. What is blind loop syndrome? 10
5. Define Diabetes mellitus. Describe the dietary management of type -2 DM. 10

Chittagong Veterinary and Animal Sciences University

Department of Applied Food Science and Nutrition

MS in Applied Human Nutrition and Dietetics (July- December, 2015)

Course Title: Nutritional Problems, Survey and Surveillance

Course Code: NPS – 502, Credit= 2+ 0 (T+P)

Total Marks: 40

Time: 02 hours

**(Figures in the right margin indicate full marks. Answer any eight questions.
Split answer is not allowed)**

1. Describe the procedure of measuring the height and weight of an infant. 5
2. What is Food Balance Sheet? Discuss the advantages and disadvantages of FBS. 2+3
3. Explain the different quantitative dietary survey methods. 5
4. How does Protein Energy Malnutrition affect health and mental development of children? 5
5. Now a days Bangladesh is facing double burden of malnutrition. Elaborate it from your point of view. 5
6. Give the definition of Nutritional Survey and Surveillance. What are the purposes for doing Nutritional Survey and Surveillance? 2+3
7. Discuss briefly different types of sampling methods that are used in data collection. 5
8. State the conceptual framework of Malnutrition according to UNICEF. How can you minimize the nutritional problems in our country? 2+3
9. Short Note: 2.5+2.5
 - a) Z- Score
 - b) Food Frequency Questionnaire

Chittagong Veterinary and Animal Sciences University

MS in Applied Human Nutrition and Dietetics

July- December Semester Final Examination-2015

Course Title: Nutrition in Emergencies

Course Code: NUE -502

Full Marks: 40

Time: 2 hours

Answer any four (04) questions. Figures in the right margin indicate full marks.

1. a. What do you know about VGF (Vulnerable Group Feeding)? 2.0
b. Write down the disaster management regulatory framework in our country. 8.0
2. a. What are Nutritional Relief and its importance? 4.0
b. How do you manage relief camp during emergency situation? 6.0
3. a. Write notes on Hazard Profile of Bangladesh. 5.0
b. What are the basic causes of food shortages? 5.0
4. a. What is Disaster Risk Management Cycle? 4.0
b. Describe different distribution ways of Supplementary feeding method. 6.0
5. a. Define Pre-disaster planning? 2.0
b. What are the components of Pre-disaster planning process? –Explain it. 8.0