

Chittagong Veterinary and Animal Sciences University

MS in Applied Human Nutrition and Dietetics

June- December Semester Final Examination-2016

Course: Advanced Dietetics

Course Code: ADD-502

Full Marks: 40 Time: 2 hours

Answer any four (4) from the following questions

1. a) What do you mean by enteral and parenteral nutrition support? Describe the 5
considering factors for choosing an enteral formula.
b) Explain different categories of enteral formula. 5

2. Lily is 24 years old and newly diagnosed diabetes mellitus. She has had recent surgery 10
for removal of one third of her illum. She is 80% of her usual weight, which is 40 kg.
She is 160 cm tall. She will require specialized nutrition support for several months
until her body adapts to the shortened bowel.
a) What immediate nutrition support method would be recommended?
b) What long-time nutrition support plan is likely to be designed? What specialty
products, if any, might beneficial to Lily?
c) What other factors should be identified as part of your nutritional assessment?

3. a) Define binge, binge eating disorder, purging, anorexia nervosa and bulimia nervosa. 5
b) Describe childhood eating disorder. 5

4. Henry is a 31 years old man who began to suffer seizures after a head trauma injury 10
from a motorcycle accident at the age of 18. For the first two years after the accident
he was prescribed various anticonvulsant regimens. The combination of Dilantin,
300mg daily and phenobarbital 120mg daily has proven to be most effective therapy
to control his seizures. Henry has been stabilized on this regimen for the last 11 years.
Henry is a senior computer programmer for a large corporation. He is 6'2" and 182 lb.
He admits to having an aversion for exercise. In his free time he enjoys reading,
watching television. During the past year he has broken his left femur and tibia on two
separate occasions. He broke his femur when he missed the bottom step on the
stairway in his office building. Several months later, he broke his tibia when he
tripped over a broken branch in his yard. He recently complained about hip and pelvic
pain of several weeks' duration. X-ray. bone scan revealed that he is suffering from
osteomalacia. A review of Henry's typical diet reveals a nutritionally marginal diet
that commonly includes fast foods and frozen dinners. His diet generally deficient in
fresh fruits, vegetables and dairy products.
Answer the following questions based on the above text
a) Is osteomalacia common in young men?
b) How does Henry's lifestyle contribute to the development of osteomalacia?

- c) What vitamin and mineral deficiency may have contributed to the current state of Henry's bones?
 - d) Mention the food-drug interaction that has contributed to Henry's osteomalacia.
 - e) What medical nutritional therapy would you recommend for Henry?
5. a) Describe the morphologic classification of Anemia. 5
- b) Explain the nutritional management of Anemia. 5

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Dept. of Applied Food Science and Nutrition

MS in Applied Human Nutrition and Dietetics

July- December Final Examination, 2016

Course Name: Advanced Micronutrients

Course Code: ADM-502

Full Marks: 40, Time: 2 hours

Answer any Four (4) questions from the listed below

1. a) Classify vitamin according to its solubility 2
b) Mention the dietary sources of vitamin E, Calcium and Potassium. 3
c) Narrate briefly the digestion and absorption of Vitamin A in our body. 5
2. a) What are the functions of vitamins as a coenzyme? Explain in details. 6
b) What do you mean by trace mineral? What is the importance of trace mineral in our body? 2+2
3. a) How does Calcium absorbed in our body? 3
b) Enumerate the underlying factors that affect in iron absorption. 2
c) Discuss the role of fiber in absorption and excretion of minerals. 5
4. a) Excess consumption of heavy metals is capable of producing carcinogen in our body. 5
State down your opinion about this.
b) Briefly describe about the biochemical functions of minerals as cofactor. 5
5. Write down short notes any four from the followings ~ 2.5X4
a) Scurvy b) Lead poisoning c) RDA of water soluble vitamins d) Pellagra e) Vitamin D

Chittagong Veterinary and Animal Sciences University
MS in Applied Human Nutrition and Dietetics
June- December Semester Final Examination-2016
Course: Evidence-based Management of Public Health Program

Course Code: EMP-502

Full Marks: 40

Time: 2 hours

Answer any four (4) from the following questions

1. a) What are the basic steps of the evaluation process? 5
b) How does politics influence the evaluation process? 5

2. What are the ethical dilemmas often confront evaluators? How can the guiding principles and evaluation standards for the evaluators help resolve these dilemmas in the field? 10

3. a) Why stakeholders are important to an evaluation? 5
b) Describe the role of stakeholders in an evaluation. 5

4. a) What do you mean by utility and feasibility considerations in evaluation process? 5
b) What are the sources of data? How do you analyze qualitative data? 5

5. a) Why is it important to justify conclusions in evaluation process? 5
b) How will you interpret your findings? 5

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June- December Semester Final Examination-2016

Course: Medical Nutrition Therapy

Course Code: MNT-502

Full Marks: 40

Time: 2 hours

Answer any four (4) from the following questions

1.	a)	Define Diabetes mellitus. Classify it with general characteristics and clinical symptoms.	5
	b)	Describe the natural history of type-2 diabetes mellitus.	5
2.	a)	Define basal and bolus insulin? What is a basal-bolus insulin regimen? Write the advantages of the regimen.	5
	b)	Describe the components of medical nutrition therapy for type-2 DM.	5
3.	a)	What is Jaundice? What are the signs and symptoms of liver disease? Why were vitamin supplements given to this patient?	5
	b)	Describe the clinical manifestations and nutritional care of patient sufferings from hepatitis	5
4.	a)	Define Nephrotic Syndrome. Write the functions of kidney.	5
	b)	Explain the rationale for diet modifications used during renal diseases.	5
5.	a)	Describe different types of hyperlipidemia with their biochemical profile.	5
	b)	Describe the nutritional management of hyperlipidemic patient.	5

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July- December Final Examination, 2016

Course Name: Nutritional Problems, Survey and Surveillance

Course Code: NPS -502

Full Marks: 40, Time: 2 hours

Answer any Four (4) questions from the listed below

1. a) Give the definition of Nutritional Problem. 2
- b) Enumerate the causes of nutritional problems in context of Bangladesh and also state down the measures to combat this. 3+5
2. a) What do you know by double burden of Malnutrition? Discuss the double burden situation in our country. 2+4
- b) Briefly discuss the gender issues in Nutrition. 4
3. a) Differentiate between nutritional survey and surveillance 4
- b) Narrate different types of research sampling methods. 6
4. a) Mention the name of some qualitative dietary survey methods. 2
- b) What is Food balance Sheet? What are the advantages and limitations of Food balance sheet? 2+4
- c) Why should we use weighing method in dietary survey? 2
5. a) How do you can measure the height and weight of an infant? 3+3
- b) Describe briefly about SAM and GAM. 2+2

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July- December Final Examination, 2016

Course Name: Nutrition in Emergencies

Course Code: NUE-502

Full Marks: 40, Time: 2 hours

Answer any Four (4) questions from the listed below

1. a) Define Nutritional Emergency. 2
- b) What are the causes of Nutritional Emergency in our country? 3
- c) Give an account of historical perspectives of the disaster situation in context of Bangladesh. 5
2. a) Discuss the role of nutritional, health and socioeconomic data on early warning. 5
- b) Draw and narrate the framework for disaster relief-needs assessment. 5
3. a) What is disaster management? 2
- b) Enumerate the role of a Nutritionist in Disaster Management. 3
- c) Outline a design of a nutrition intervention program in a community. 5
4. a) List out the name of different types of emergency feeding program. 2
- b) Give a summary of General Food distribution and Therapeutic Feeding. 3+3
- c) What types of nutrient deficiencies may be occurred during emergency? 2
5. a) How do you can assess nutritional status of mass people during emergency? 3
- b) Describe the role of government and non – government organization in mitigating nutrient deficiency in a disaster prone area. 7