

**MASTER OF SCIENCE / DIETETICS AND FOOD  
SERVICE MANAGEMENT**

**Term-End Examination**

**June, 2014**

**MFN-006 : PUBLIC NUTRITION**

*Time : 3 hours*

*Maximum Marks : 100*

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*Note : Answer five questions in all. Question No. 1 is compulsory.  
All questions carry equal marks.*

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1. (a) Explain the relationship between the following sets of terms briefly. 10
- (i) Anaemia ..... Dietary  
Diversification
  - (ii) Malnutrition ..... Economic  
consequences.
  - (iii) Nutritional status ..... spacing of  
children
  - (iv) Biochemical Test ..... Vitamin A  
deficiency
  - (v) ICDS ..... Undernutrition
- (b) List Five advantages of using mass media in nutrition education 5

- (c) Give one example for each of the following: 5
- (i) Manifestation of riboflavin deficiency
  - (ii) Clinical feature of Xerophthalmia
  - (iii) Micronutrient deficiency of public health significance in India
  - (iv) Factors affecting high fertility
  - (v) Self Employment Programme
2. (a) What are the three different levels at which health care is available to the community? 7
- (b) As a public nutritionist define your role in health care delivery. 7
- (c) Differentiate between food security and nutrition security. Briefly comment on the food and nutrition security in our country. 3+3
3. (a) What are the main principles in the treatment of PEM? Explain briefly. 7
- (b) What measures would you advocate to prevent Vitamin A deficiency? Discuss. 7
- (c) What is anaemia? Why does the prevalence of anaemia continue to remain high in our country? 2+4

4. (a) What are the common measurements used in nutritional anthropometry? Explain briefly how you would use them for classification of nutritional status for children. **6+4**
- (b) What do understand by dietary assessment? Elaborate on any one quantitative and one qualitative method you would use for dietary assessment. **2+4+4**
5. (a) Enlist the different agencies involved with nutrition monitoring in our country. Comment on the type of information collected by these agencies. **3+5**
- (b) Give the implementation strategy under the National Nutritional Anaemia control Programme. **7**
- (c) Mention the main features of public distribution system and the targeted public distribution system. **5**
6. (a) What are food-based strategies? Discuss the role of any one food-based strategy in combating public nutrition problems in our country **5+5**
- (b) Explain the steps involved in designing a nutrition health programme **10**

7. Explain the following briefly:
- (a) Nutrition education aims to change behavior. 6
  - (b) Four phases of the process of nutrition education 8
  - (b) How to design persuasive and coherent manages for nutrition communication? 6
8. Write short notes on any **Four** of the following: 5+5+5+5
- (a) Types of community groups and their role in community participation.
  - (b) Types of evaluation you may adopt for nutrition programme evaluation.
  - (c) Supplementation- A short term preventive strategy to combat nutrient deficiency disorders.
  - (d) Services provided under the ICDS programme.
  - (e) Strategies to improve rural and urban sanitation.

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