

**MASTER OF SCIENCE (DIETETICS AND  
FOOD SERVICE MANAGEMENT)**

**Term-End Examination**

**December, 2010**

**MFN-006 : PUBLIC NUTRITION**

*Time : 3 hours*

*Maximum Marks : 100*

---

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

---

1. (a) Explain the following in 2-3 sentences :  $5 \times 2 = 10$ 
  - (i) Primary Health Care
  - (ii) Ariboflavinosis
  - (iii) Stunting
  - (iv) Growth monitoring
  - (v) Skeletal Fluorosis
- (b) Differentiate between the following :  $5 \times 2 = 10$ 
  - (i) Xerophthalmia and Keratomalacia
  - (ii) Village Health Guide and Anganwadi Worker
  - (iii) Rickets and Osteomalacia
  - (iv) Mass media and interpersonal approach
  - (v) Diet history and 24 hour dietary recall.

2. (a) Explain the concept of public nutrition. Discuss the role of public nutritionist in health care delivery. **10**
- (b) What is food behaviour ? Describe the factors which affect food behaviour. **10**
3. (a) Why is the prevalence of iron deficiency anaemia high in India ? How can this deficiency be controlled ? **10**
- (b) What do you understand by the term 'Human Development' ? Describe the effect of population growth on the quality of life of people. **10**
4. (a) Discuss the relevance of anthropometry in the assessment of nutritional status of the community. Describe any one method of anthropometric assessment for preschoolers. **10**
- (b) What are the aims of National Nutrition Policy ? **5**
- (c) Discuss the role of ICDS programme in combating malnutrition. **5**
5. (a) What are the different purposes for which nutrition surveillance is carried out ? List the key indicators which could be critical for successful nutrition surveillance programme. **10**
- (b) As a public nutritionist, what strategies would you employ to assess the nutritional needs of the community ? **10**

6. (a) What is social marketing ? How can this approach be used to successfully promote positive health and nutrition behaviours ? 10
- (b) Discuss the limitations of adopting supplementation as a strategy to combat malnutrition. 10
7. (a) If you have to plan a process and impact evaluation for Nutritional Support to Primary Education Programme, what are the major aspects which you would include in the evaluation ? 10
- (b) Why is nutrition education important ? What are the potential challenges and constraints of nutrition education ? 10
8. Write short notes on **any four** of the following : 4x5=20
- (a) Declining sex-ratio in India
- (b) Consequences of Iodine Deficiency Disorders
- (c) Targeted Public Distribution System
- (d) Strategies to improve urban sanitation
- (e) Personnel management in public nutrition
-