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MFN-006

**Master of Science (Dietetics and Food
Service Management)
(DFSM)**

**Term-End Examination
June, 2024**

MFN-006 : Public Nutrition

Time : 3 Hours

Maximum Marks : 100

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

1. (a) Describe the clinical sign given and indicate the nutrient whose deficiency/excess results in this manifestation :
 - (i) Bitot's spots
 - (ii) Goitre
 - (iii) Cheilosis
 - (iv) Spongy bleeding gums
 - (v) Knock knees

P. T. O.

- (b) Define/Describe the following terms :
- (i) Maternal Mortality Rate
 - (ii) Stunting
 - (iii) Food Balance Sheet
 - (iv) Mass Media
 - (v) Antyodaya Anna Yojana
2. (a) Discuss the measures you will take to prevent Vitamin A deficiency in a community.
- (b) Who are the beneficiaries of the mid-day meal program ? Discuss the program components and its implementation.
3. (a) Describe at least four theories of nutrition education.
- (b) Describe the objectives and functions of a nutrition surveillance system.
4. (a) What are the measures you would adopt to combat iron deficiency in a community? Explain giving examples.

- (b) What are the significant components and achievements of the National Iodine Deficiency Disease Control Program ?
5. (a) What is the importance of timely immunization ? Explain by giving examples of at least four common vaccine preventable diseases.
- (b) Suggest some strategies for improvement of safety of street foods in India.
6. (a) What are the three levels of health care services ?
- (b) What do you understand by the terms 'food availability' and 'food access' in the context of food security.
- (c) Describe the clinical features of different forms of Protein Energy Malnutrition.
7. (a) Enlist guidelines for designing effective nutrition education messages.
- (b) Explain what you understand by the term 'demographic cycle'.
- (c) Explain why height and weight are two important anthropometric measurements

which provide information about nutritional status of children. Describe the technique for measuring height and weight of school going children.

8. Write short notes on any *four* of the following :
- (i) Diet history method of assessing dietary intake
 - (ii) Community food banks
 - (iii) Dietary diversification as an approach to tackle micronutrient malnutrition
 - (iv) RMNCH+A
 - (v) Economic consequences of Malnutrition.