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**MFN-006**

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

**[M. Sc. (DFSM)]**

**Term-End Examination**

**June, 2020**

**MFN-006 : PUBLIC NUTRITION**

*Time : 3 Hours*

*Maximum Marks : 100*

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*Note : (i) Question No. 1 is compulsory.*

*(ii) Answer five questions in all.*

*(iii) All questions carry equal marks.*

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1. (a) List any *three* essential components of  
primary health care. 3

**P. T. O.**

- (b) Name *one* immediate cause, *one* underlying cause and *one* basic cause of malnutrition. 3
- (c) What are the *four* determinants of food security? 2
- (d) Enlist the sub-clinical forms of PEM. 2
- (e) What is Xerophthalmia? 2
- (f) Give the WHO haemoglobin cut-off criteria for diagnosis of anaemia among adolescents and pregnant woman. 2
- (g) Present the WHO criteria for classification of goitre size. 2
- (h) Enlist the clinical manifestation of folic acid and clinical manifestation of Vitamin B<sub>12</sub> deficiency. 2
- (i) What is the cause of lathyrism? 2

2. (a) What is public nutritional concerned with ?  
Give its scope and relevance of public  
nutritionist in health care delivery. 10
- (b) Briefly explain the health care delivery  
system in our country. 10
3. (a) Why is the prevalence of iron deficiency  
anaemia high in our country ? What  
measures/strategies would you adopt to  
prevent/control the disorder ? 10
- (b) What is Pellagra ? Enlist its causative  
factors. 5
- (c) Enlist the steps you would recommend to  
prevent PEM in a community. 5
4. Explain the following briefly in about  
250 words each : 5 each
- (a) Economics of malnutrition

- (b) Effect of population growth on quality of life of people
  - (c) Indirect methods of assessing nutritional status
  - (d) Factors affecting food behaviour
5. (a) What do you understand by the term Anthropometry ? Describe the methods of anthropometric assessment for children under five years of age. 10
- (b) What is the aim of National Nutritional Policy ? 5
- (c) What is the role of supplementary feeding programmes in combating malnutrition ? Enlist any *two* programmes run by government which has supplementary feeding as a component. 5

6. (a) Present a brief review on the current agencies involved with nutritional monitoring, highlighting the information they provide. 10
- (b) What are the food security programmes launched in our country to improve availability of food for masses ? Explain any *one* in detail. 10
7. (a) Briefly discuss the different approaches you would adopt to prevent micronutrient deficiency in our country. 10
- (b) List the major steps you would follow in planning, implementing and evaluating a nutrition intervention programme. 5
- (c) Briefly discuss in about 250 words any *one* technique you will adopt for conducting need assessment. 5

8. Write short notes on any *four* of the following

(in about 250 words each) : 5 each

- (a) Challenges and constraints of nutrition education as a strategy to combat public nutritional problems.
- (b) Use of multimedia-mix for nutrition education.
- (c) Strategies to improve urban sanitation.
- (d) Personnel management in public nutrition.
- (e) Use of social marketing as a process to improve public nutrition.