

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

Term-End Examination

June, 2016

MFN-006 : PUBLIC NUTRITION

Time : 3 hours

Maximum Marks : 100

Note : (i) Answer five questions in all.

(ii) Question No. 1 is compulsory.

(iii) All questions carry equal marks.

1. (a) Define/Explain the following : **10**
- (i) Goitrogens
 - (ii) Nutrition security
 - (iii) Gomez's classification
 - (iv) Specificity of a test
 - (v) Communication
- (b) List four causes for each of the following : **10**
- (i) Vitamin A deficiency
 - (ii) PEM
 - (iii) Iron deficiency Anaemia
 - (iv) Rickets
 - (v) Vitamin B complex deficiency

2. (a) Define Health and Public Nutrition. Discuss briefly the scope and concept of Public Nutrition in an Indian context. 10
- (b) Describe the influence of agricultural and horticulture production on the food consumption of our population. 10
3. Explain the public health significance of the following. Also enumerate strategies adopted by Government of India for their prevention. 7+7+6=20
- (a) PEM
- (b) Iodine Deficiency Disorders
- (c) Lathyrism
4. (a) What is demography ? Describe the stages of demographic cycle. 8
- (b) Discuss briefly the factors which affect fertility behaviour of Indian population. 12
5. (a) Why do we assess nutritional status of any population ? Enumerate the commonly used methods of direct assessment of nutritional status. 8
- (b) How will you determine nutritional status of pre-school children using weight and height ? 8
- (c) Tabulate WHO guidelines for diagnosing anaemia. 4

6. (a) Describe the National Nutrition Policy with respect to its aims, policy instruments and policy implementation. 12
- (b) Comment on National Programme of Nutritional Support to Primary Education. 8
7. Explain briefly the following : 5+5+5+5=20
- (a) Dietary Diversification
- (b) Food Fortification
- (c) Genetically modified foods
- (d) Importance of good management and governance
8. Write short notes on **any four** of the following : 5+5+5+5=20
- (a) Channels of communication
- (b) Developing an evaluation system for NEC programme
- (c) Street foods
- (d) "Improving water quality and sanitation is an important strategy to alleviate malnutrition"
- (e) ICDS
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