

No. of Printed Pages : 6

MFN-006

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

[M. SC. (DFSM)]

Term-End Examination

December, 2025

MFN-006 : PUBLIC NUTRITION

Time : 3 Hours

Maximum Marks : 100

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

(ii) *Answer **five** questions in all.*

(iii) *All questions carry equal marks.*

1. (a) Define nutritional status. Enlist any two methods you will use to assess nutritional status. 2+2

B-1024/MFN-006

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(b) Mention the indicator you will use to assess malnutrition in the following individuals : 1+1

(i) Children 5-19 years of age

(ii) Women 30-40 years of age

(c) Enlist any *two* clinical manifestations of the following disease conditions : 5

(i) Vitamin A deficiency

(ii) Marasmus

(iii) Riboflavin deficiency

(iv) Iodine deficiency

(v) Vitamin C deficiency

(d) Give *one* example for each of the following : 5

(i) Wage Employment Scheme

(ii) Food Security Programme

(iii) Programme under National Health Mission

(iv) Nutrient based approach to combat malnutrition

(v) Supplementary Feeding

- (e) What is need assessment ? Classify the needs of people in a community. 4
2. (a) Briefly discuss what the study of public nutrition entails, highlighting its concept, scope and future projections. 10
- (b) Briefly explain the healthcare delivery system in India. 10
3. Explain the following briefly :
- (a) Strategies to prevent iron deficiency anemia 8
- (b) Preventive measures to combat PEH in a community 7
- (c) Pellagra and its causative factors 5
4. (a) What do you understand by economics of malnutrition ? Explain briefly. 5
- (b) Discuss the effect of population growth on quality of life of people. 7
- (c) Comment on the factors affecting food behaviour giving suitable examples. 8

5. (a) What do you understand by the term 'Nutritional Anthropometry' ? Enlist its uses and common measurements used in nutritional anthropometry. 2+2+6
- (b) Differentiate between qualitative and quantitative dietary assessment giving suitable examples. 3
- (c) Explain any *one* qualitative method and any *one* quantitative method used for dietary assessment. 7
6. (a) Present a brief review of the major agencies and the type of information collected as a part of nutrition monitoring in our country. 10
- (b) Present the Infant and Young Child Feeding (IYCF) guidelines adopted in our country. 5

- (c) Give the objectives and components of National Iodine Deficiency Control Programme. 5
7. (a) Briefly discuss the food-based approaches you would adopt to prevent the micronutrient deficiency in our country. 10
- (b) Explain the steps you would follow in planning and implementing a nutrition intervention programme. 10
8. Write short notes on any *four* of the following : 5+5+5+5
- (a) Use of multimedia-mix for nutrition education

- (b) Use of social marketing as a process to improve public nutrition
- (c) Strategies/Initiatives to improve the quality of street food in India
- (d) National Nutrition Policy
- (e) Objectives and components of ICDS

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