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MFN-006

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

M. SC. (DFSM)

Term-End Examination

December, 2023

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) Differentiate between the following sets of terms : 10
- (i) Nutrition monitoring and nutrition surveillance.
- (ii) FFQ and 24 hour dietary recall.

P. T. O.

- (iii) Process evaluation and formative evaluation.
 - (iv) Wasting and stunting.
 - (v) Supplementary feeding programmes and nutrient deficiency control programmes.
- (b) Give the clinical manifestations and causes for each of the following : 10
- (i) Vitamin D deficiency
 - (ii) PEM
 - (iii) Riboflavin deficiency
 - (iv) Iron deficiency anaemia
 - (v) Scurvy
2. (a) Briefly discuss the levels and the health care delivery system in our country. 8
- (b) Discuss the treatment and preventive measures you would adopt for combating Vitamin A deficiency. 4+8
3. Briefly explain the following giving examples : 5+5+5+5
- (a) Lathyrism a social nutritional problem

- (b) Indicators of nutrition
 - (c) Factors which affect fertility behaviour
 - (d) MUAC a useful indicator for nutritional status assessment
4. (a) Present a brief review on the current programmes of nutrition monitoring in our country. 8
- (b) What is National Nutrition Mission ? Highlight its objectives and activities. 2+3
 - (c) Enumerate the components and services of ICDS in our country. 7
5. (a) Give the relevance of nutritional status assessment. 2
- (b) Briefly discuss any *three* methods of nutritional status assessment. 6+6+6
6. (a) What do you understand by the term 'Situational Analysis' ? Enumerate the techniques commonly used to conduct need assessment. 8

- (b) As a public nutritionist, how will you educate the families regarding the assessment and prevention of Iodine Deficiency Disorders in the community ? 6
- (c) What are street foods ? Enumerate the initiatives taken by the government to improve the quality of street foods. 6
7. Explain briefly the following : 5+5+5+5
- (a) Food fortification
- (b) Factors influencing food behaviour
- (c) Designing persuasive and coherent messages for nutrition education
- (d) Infant and young child feeding guidelines
8. Write short notes on any *four* of the following : 5+5+5+5
- (a) Channels of communication
- (b) Food security programmes
- (c) National Iron plus Initiative
- (d) Components of Mid-day Meal programme
- (e) Conducting participatory evaluation