

**MASTER OF SCIENCE (DIETETICS AND
FOOD SERVICE MANAGEMENT) (M.Sc. DFSM)**

Term-End Examination

December, 2018

01622

MFN-006 : PUBLIC NUTRITION

Time : 3 hours

Maximum Marks : 100

Note :

1. *Answer five questions in all.*
2. *Question no. 1 is compulsory.*
3. *All questions carry equal marks.*

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1. (a) Define or explain in 2 – 3 sentences, each of the following : 12
- (i) Genetically Modified Foods
 - (ii) Lathyrism
 - (iii) MUAC
 - (iv) Social Marketing Approach
 - (v) Rickets
 - (vi) Marasmus

- (b) Give one word/term for the following : 8
- (i) Paper thin fingernails bent upwards forming shape of a spoon
 - (ii) Enlargement of the thyroid gland due to iodine deficiency
 - (iii) Number of deaths of women from pregnancy related causes per 100,000 live births
 - (iv) Angular stomatitis, cheilosis and glossitis are symptoms of deficiency of this vitamin
 - (v) The formula weight (kg)/height² (m²) is referred to as
 - (vi) Instrument used for measuring fat folds
 - (vii) Mottling of teeth with brown streaks and pitting caused by high intake of this mineral
 - (viii) TT vaccine shots given to pregnant women to protect them against this disease
2. (a) What can be done to prevent PEM ? Discuss in detail. 8
- (b) What are the different psycho-social and cultural factors that affect food behaviour ? 7
- (c) Describe the characteristic clinical features of scurvy. 5

3. (a) List the major agencies conducting nutrition monitoring in India. Discuss the work done by two notable organisations in India. 10
- (b) Discuss the objectives, components and implementation of the Mid-day Meal Programme. 10
4. (a) Discuss some strategies to improve the safety of street foods in India. 8
- (b) Describe the health care delivery system at the village level. 6
- (c) Explain in brief the factors responsible for food pricing. 6
5. (a) Define 'needs assessment'. How are needs of a community classified? 8
- (b) Describe the hierarchy of objectives in a nutrition education communication programme. 7
- (c) List the advantages and limitations of mass media. 5
6. (a) Discuss how nutritional status of children and adults can be estimated by measuring their height and weight. 8

- (b) Explain the relationship between fertility, nutrition and quality of life. 6
- (c) List some key nutrition messages to improve the iron status of children. 6
7. (a) Comment on the Diffusion theory of nutrition education. 5
- (b) What are the essential elements of a message design in a nutrition education programme? 5
- (c) Comment on the benefits of food-based strategies for tackling malnutrition. 5
- (d) List the reasons for limited impact of ICDS on the nutritional status of vulnerable groups. 5
8. Write short notes on any *four* of the following : 5+5+5+5
- (a) Biochemical Tests for Detecting Iron Deficiency Anaemia
- (b) National Nutrition Policy
- (c) Skills Required by a Personnel Manager
- (d) Types of Evaluation of Nutrition Education Programme
- (e) Food Balance Sheets