

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

Term-End Examination

June, 2022

MFN-006 : PUBLIC NUTRITION

Time : 3 hours

Maximum Marks : 100

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- Note :** 1. *Question no. 1 is compulsory.*
2. *Answer **five** questions in all.*
3. *All questions carry equal marks.*
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1. (a) Describe the clinical signs and symptoms of iron deficiency anemia. 3
- (b) Name three theories of nutrition education. 3
- (c) What do you understand by the term 'Keratomalacia' ? 2
- (d) What does deficiency of Vitamin D lead to in children and adults ? 2
- (e) Give the names of two national programmes for the control of different micronutrient deficiencies. 2

- (f) What is sex ratio and what does it indicate ? 2
- (g) Why is MUAC a useful indicator of nutritional status ? 2
- (h) What do you understand by 'consumption units' used to interpret dietary intake data ? 2
- (i) OPV and BCG vaccines are given as protection against which diseases ? 2
- 2.** (a) Discuss the various causes of public nutrition problems at the individual, household and society level. 10
- (b) Describe the main beneficiaries and the programme components of the supplementary nutrition and growth monitoring component of ICDS. 10
- 3.** (a) Elaborate on the consequences of malnutrition on the health and economic status of individuals and families. 10
- (b) Comment on why needs assessment is important to consider before planning a nutrition programme in a community. 5
- (c) Give some suggestions for improving the Mid-Day Meal Programme. 5

4. Briefly explain the following in about 250 words each : 5+5+5+5
- (a) Functions of the Primary Health Centre
 - (b) Consequences of Iron Deficiency Anemia
 - (c) Stages of the Demographic Cycle
 - (d) National Sample Survey Organisation
5. (a) What is the programme strategy for the National Prophylaxis Programme for Prevention of Nutritional Blindness ? 8
- (b) What suggestions would you like to give to improve hygiene of street foods ? 7
- (c) Briefly comment on the objectives of nutrition surveillance. 5
6. (a) Elaborate on how the clinical and biochemical features of Kwashiorkor differ from those of Marasmus. 10
- (b) What are some of the factors which affect fertility ? Do these factors influence fertility behaviour of Indians ? Explain. 10
7. (a) Elaborate on the functions of a personnel manager in a public nutrition programme. 8
- (b) Describe the clinical manifestations of Pellagra in adults. 7
- (c) Differentiate between the clinical manifestations of Wet and Dry Beriberi. 5

8. Write short notes on any *four* of the following : 5+5+5+5

- (a) Social and cultural factors influencing food behaviour
 - (b) BMI as an indicator of nutritional status in adults
 - (c) Diet history as a method of assessing dietary intake
 - (d) Dietary diversity as a measure to improve quality of diets
 - (e) Community food banks as a strategy to improve food security
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