

MASTER OF SCIENCE (DIETETICS AND
FOOD SERVICE MANAGEMENT)

Term-End Examination

December, 2013

MFN-006 : PUBLIC NUTRITION

Time : 3 hours

Maximum Marks : 100

Note : Answer *five* questions in all. Question No. 1 is *compulsory*. All questions carry *equal* marks.

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1. (a) Define the following : 10
- (i) Koilonychia
 - (ii) Cretinism
 - (iii) Maternal Mortality Rate
 - (iv) NCHS standards
 - (v) Summative evaluation
- (b) Give one word/term for the following : 4
- (i) Deficiency disease caused due to inadequate intake of niacin
 - (ii) In Rickets, bead like formation due to swelling at costochondral junction in the ribs
 - (iii) Cut-off for haemoglobin for diagnosing anaemia in a pregnant woman
 - (iv) Deficiency disease leading to signs such as cheilosis, angular stomatitis and glossitis.

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| | (c) Differentiate between the following : | 6 |
| | (i) Marasmus and Kwashiorkor | |
| | (ii) Dental and Skeletal Fluorosis | |
| 2. | (a) List the components of a communication strategy for behaviour change. | 5 |
| | (b) Describe the clinical manifestations of Vitamin A deficiency. | 7 |
| | (c) Discuss some strategies to improve urban sanitation, giving examples of some success stories in India. | 8 |
| 3. | (a) Briefly describe the theories of Nutrition Education. | 6 |
| | (b) Why is community participation important in the implementation of any Nutrition Programme ? | 6 |
| | (c) "The problem of PEM in India is widespread". Comment on the statement and discuss the possible reasons for the high prevalence rate. | 8 |
| 4. | (a) Discuss the relevance and steps for implementation of the Public Forum approach (Focus Group Discussions) to elicit information from community members. | 10 |
| | (b) Discuss the methodology merits and limitations of the 24 hour dietary recall method of family diet survey. | 10 |

5. (a) What do you understand by the term 'Food Security'? Discuss briefly some programmes and initiatives taken by the Government to improve the food security of the people of India. 10
- (b) Discuss the factors which affect the Indian woman's fertility behaviour. 10
6. (a) Discuss the functions of a Primary Health Centre. 7
- (b) Describe the programme strategy of the National Nutritional Anaemia Control Programme. 7
- (c) Why is a Nutrition Surveillance System important for a country ? 6
7. (a) What is Social Marketing ? 5
- (b) Discuss the role of mass media as a channel for Nutrition Communication. 5
- (c) List the steps in designing a nutrition/health programme. 5
- (d) What are the skills required by a Personnel Manager employed in a dietetic establishment ? 5

8. Write short notes on *any four* of the following :
- (a) Use of anthropometric measures in nutritional status assessment. 5+5+5+5
 - (b) Consequences of zinc deficiency
 - (c) Scope of public nutrition
 - (d) National Nutrition Policy
 - (e) Food based strategies to combat malnutrition.
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