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

Term-End Examination

June, 2010

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.

1. (a) Explain the following in 2-3 sentences : **5x2=10**
- (i) Community Health Center
 - (ii) Village Health Guide
 - (iii) Night blindness
 - (iv) Surveillance
 - (v) Goitre
- (b) Differentiate between the following : **5x2=10**
- (i) Food security and Nutrition security.
 - (ii) Kwashiorkor and Marasmus.
 - (iii) Sex ratio and Dependency ratio.
 - (iv) Food Balance Sheet and 24 hour dietary recall.
 - (v) Cognitive-gestalist theory and behaviourist theory of nutrition education.

2. (a) Explain the concept of public nutrition, its scope and future projections. 10
- (b) As a public nutritionist, which measures would you suggest to control and prevent the problem of PEM ? 10
3. (a) What does 'health economics' mean ? Briefly explain economic consequences of malnutrition. 10
- (b) Discuss the factors which affect the fertility behaviour of women in India. 10
4. (a) What is the purpose of nutritional assessment ? Discuss the role of weight and height measurements in determination of nutritional status of children below six years. 10
- (b) Discuss briefly the major components of the ICDS programme. How can this programme be strengthened to improve its effectiveness ? 10
5. (a) 'Food based strategies are the logical approaches to combat the problem of malnutrition'. Comment on the statement giving appropriate justifications. 10
- (b) What is nutrition monitoring ? Describe the unique features of National Nutrition Monitoring Bureau. 10

6. (a) Discuss the role of PDS and TPDS in providing food security to the poor. 10
- (b) 'Evaluation is an integral part of programme planning and implementation'. Comment on the statement giving suitable justifications. 10
7. (a) Describe the term situational analysis. Discuss one of the techniques commonly used to conduct situational analysis. 10
- (b) Describe the key elements in the intervention design of nutrition education communication process for behaviour change. 10
8. Write short notes on *any four* of the following : 5x4=20
- (a) Factors affecting food behaviour.
- (b) Stages of demographic cycle.
- (c) Consequences of zinc deficiency.
- (d) Strategies for the prevention of iron deficiency in India.
- (e) Fortification of food to combat malnutrition.
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