M.Sc. Part-I Examination, 2013

DIETETICS AND COMMUNITY NUTRITION MANAGEMENT

PAPER – III (Unit-6)

Full Marks : 50

Time : 2 hours

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Answer Q.No. 1 and any four from the rest

1. Answer any five of the following : 2 × 5

(a) What is LD₅₀ ?

(b) Write the name of two mycotoxins.

(c) Write the name of two diseases caused by contamination of water.

(Turn Over)
(d) What is psychrophiles?

(e) Write the name of two media for microbial growth.

(f) What is freeze-dryer?

(g) Write the name of two bigenic amines.

(h) What is HACCP?

2. (a) State the toxicological hazards of improper cooked meat.

(b) What is aflatoxin? How aflatoxin causes severe health hazards in human?

(c) How you will identify poisonous mushrooms?

3. (a) Describe intrinsic factors affecting the growth and survival of microbes.

(b) State any two public health hazards due to intake of contaminated foods.

4. (a) What is the mechanism of co-agglom formation in Yoghurt.

(b) ‘Idle—may be considered as therapeutic diet’—elaborate.

(c) Write the process of chemical method for selection of bacteria during culture.

5. (a) Mention the health hazards of sodium benzoate consumption through food.

(b) Write briefly about DSP and ASP.

6. (a) What do you mean by cross contamination of food?

(b) How do you avoid cross contamination of food in kitchen and during storage of food in refrigerator?

(c) What types of precautionary measurements should be adopted for a pregnant mother from the angle of food safety?
7. (a) What is 'pea-soup' stool?
(b) How this type of stool is formed?
(c) How do you control the disease with the symptom of 'pea-soup' stool?
(d) Mention fecal oral cycle of any food borne pathogen.

2 + 2 + 4 + 2

8. (a) How HCN is released from plant?
(b) Describe about embryolethal and teratogenic effect of BAPN.
(c) Mention the health hazards of azinomoto.

2 + 5 + 3

9. (a) What do you mean by 'Food Biotechnology'?
(b) Discuss the steps adopted in transgenic food production in general.
(c) "Genetically engineered plant helps food fortification"—Justify.

2 + 5 + 3