

M.Sc.

2013

4th Semester Examination

NUTRITION & DIETETICS

PAPER—NUD-401

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Module—I

1. Answer any *five* questions of the following : 1×5
- (a) What is bio-yoghurt ?
 - (b) What do you mean by food safety ?
 - (c) Write the names of any two chemicals used as food preservative.
 - (d) What do you mean by blanching ?
 - (e) Write the full form of HACCP.
 - (f) What is curing process of food preservation ?

(Turn Over)

- (g) What do you mean by food quality ?
- (h) What do you mean by TDT Value ?
2. (a) How ionizing radiation can able to destroy the micro organism ?
- (b) State the impact of food preservation on community nutrition.
- (c) Define freeze drying. 4+3+1

Or

- (a) "Nutritive value of food is modified by improper food handling". Justify the statement.
- (b) Discuss in brief about the chemical changes in food that effect the texture.
- (c) What are the strategic upliftment adopted for proper food storage.
- (d) What is the impact of colour on physical and nutritional quality of food — give example. 2+2+2+(1+1)
3. (a) Distinguish between refrigeration and freezing.
- (b) State the mechanism of food preservation by refrigeration.
- (c) How dehydration can influence the food preservation ? 2+2+2+1

Or

- (a) Write the mechanism of food preservation by salt.
- (b) "Chemicals are good food preservative"—Justify the statement citing one example.
- (c) How chemical changes in food influence the texture of the food.

2+3+2

Module—II

4. Answer any *five* questions of the following : 1×5

- (a) Write the nutritive value of pulses.
- (b) Write the names egg proteins.
- (c) What do you mean by lean meat.
- (d) Write any two characters of municipal solid wastes.
- (e) What do you mean by haterofermentors ?
- (f) Write the names of any two fermented milk product.
- (g) What do you mean by mannure pit.
- (h) Write the full form of GMP.

5. (a) "Nutritive value of rice and milk is greater than milk with same energetic value"—Justify the statement.
- (b) Compare the nutritive value of fish and meat for the age group of 60–70 yrs.
- (c) State the nutritive value of leafy vegetable in general.

4+2+2

Or

- (a) What do you mean by 'Malolactic fermentation'?
- (b) Write the procedure of 'Acidophilus milk' and 'Bifgoyoghurt' production.
- (c) Why nutritive value of Idle and Dosha is more than rice.

2+3+3

6. (a) Write the major factors affecting the food hygiene.
- (b) State the composting method of solid waste disposal.
- (c) 'According to WHO dumping is the Worst method of solid waste disposal—explain.

2+2+3

Or

- (a) What do you mean by standard sanitation practice in a food plant—Discuss about any two features of this practice.
- (b) Discuss in brief about the pathway of homofermentor inbrief.

4+3