

AQ-494

M.Sc. Home-Science (Food Science and Nutrition)
Semester—IV Examination
CURRENT ISSUES IN FOOD AND NUTRITION
Subject Code—242 CI 61

Time—Two Hours]

[Total Marks—45

Note :— ALL questions are compulsory and carry equal marks.

1. Do as directed :

- (i) Protein requirements for children in developing countries. 3
- (ii) Special Nutritional requirements during earthquakes. 2
- (iii) Requirement of water for survival. 2
- (iv) Nutritional requirements in extreme cold climate . 2

2. Answer any ONE :

- (i) What do you mean by GM Food ? Explain with examples. Write any two researches of GM food. 9
- (ii) Explain in detail about Nutritional regulation of gene expression. 9

3. Answer the following :

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|--|---|
| (i) Define functional foods | 1 |
| (ii) Health benefits of the following functional foods : | |
| (a) Cereals | 1 |
| (b) Onion and garlic | 1 |
| (c) Dairy products | 1 |
| (d) Fenugreek. | 1 |
| (iii) Write four current feeding methods. | 2 |
| (iv) Write four holistic health practices. | 2 |

4. Answer any ONE :

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|---|---|
| (i) Write in detail about food safety and quality control.
Write about HACCP. | 9 |
| (ii) Write about current food processing technologies
used to introduce supplementary foods. | 9 |

5. Write on :

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|-----------------------|----|
| (i) Lathyrism | 1½ |
| (ii) Aflatoxins | 1½ |
| (iii) Epidemic dropsy | 1½ |
| (iv) Seafood toxins | 1½ |
| (v) Goitrogens | 1½ |
| (vi) Antivitamins. | 1½ |