

**POST GRADUATE DIPLOMA IN FOOD SAFETY
AND QUALITY MANAGEMENT (PGDFSQM)**

Term-End Examination

June, 2017

**MVP-004 : FOOD SAFETY AND QUALITY
MANAGEMENT SYSTEMS**

Time : 3 hours

Maximum Marks : 100

- Note :**
- (i) *All questions carry equal marks.*
 - (ii) *Attempt any five questions.*

1. Explain the following terms. Attempt any ten : 2x10=20
- (a) ISO 9000
 - (b) ISO 27001
 - (c) IAF (International Accreditation Forum)
 - (d) ISO 19011
 - (e) Internal audit under QMS
 - (f) Quality Manual under QMS
 - (g) Codex Standards
 - (h) SOPs (Standard Operating Procedure) under FSMS
 - (i) Traceability System under FSMS
 - (j) Quality Control
 - (k) Global GAP
2. (a) Explain principles of auditing and enlist the elements of audit report. 10
- (b) What is QCI ? Describe its objectives and structure. 10

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| 3. | (a) | Describe the mandatory procedures and product requirements as per ISO 9001 : (2000/2008). | 10 |
| | (b) | Describe the elements with respect to "analysis of data and Improvement" under Clause 8 of the QMS. | 10 |
| 4. | (a) | Explain the elements of structure of FSMS documentation. | 10 |
| | (b) | Explain two major clauses (and sub clauses there in and their description) pertaining management domain under ISO : 22000 : 2005. | 10 |
| 5. | (a) | Explain the implementation procedure of FSMS in a food processing plant. | 10 |
| | (b) | Describe the important features of ISO 17025. | 10 |
| 6. | (a) | What are the important factors to be kept in mind during planning the layout and design of laboratory ? | 5 |
| | (b) | What are the quality control measures available to a chemical laboratory for monitoring of analytical performance ? | 5 |
| | (c) | Describe the importance, necessity and procedure of undertaking proficiency testing for a food testing laboratory. | 10 |
| 7. | (a) | Describe the benefits and principles of the BRC Global Standard - Food. | 5 |
| | (b) | Explain the scope and certification procedure for the 'IndiaGAP' standard. | 10 |
| | (c) | What is the key difference between SQF 1000 and SQF 2000 ? Give the aspects covered under verification section in SQF 1000. | 5 |