

00495

**POST GRADUATE DIPLOMA IN FOOD
SCIENCE AND TECHNOLOGY (PGDFT)**

Term-End Examination

December, 2018

**MFT-004 : FOOD PACKAGING, SAFETY AND
QUALITY MANAGEMENT**

Time : 3 hours

Maximum Marks : 70

Note : (i) Attempt any five questions.

(ii) All questions carry equal marks.

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1. Explain the following : **7x2=14**
 - (a) WVTR
 - (b) Smart packaging
 - (c) Retort packaging
 - (d) Bioterrorism
 - (e) GMP
 - (f) Ranking test
 - (g) TQM

 2. Write short notes on the following : **4x3½=14**
 - (a) Controlled atmosphere packaging
 - (b) Food adulteration
 - (c) Good hygienic practices
 - (d) EMS 14000

 3.
 - (a) Explain different forms of packaging. **7**
 - (b) Give the packaging requirements for meat and fish, beverages and oils. **5**
 - (c) Define antimicrobial packaging with examples. **2**

4. (a) Describe different types of tests used for sensory evaluation of food products. 7
- (b) What are the sanitary standard operating procedures to be followed in a food processing plant ? Comment on water quality with respect to food processing. 7
5. (a) What is the role of risk analysis in ensuring food safety ? Explain the principles of HACCP. 7
- (b) Give the structure of ISO 9001 : 2008. How is it different from ISO 22000 : 2005 ? 7
6. (a) Narrate the salient features of good animal husbandry practices and good aquaculture practices. 7
- (b) What are the objectives of an audit programme ? Explain the audit procedure. 7
7. (a) Describe the sanitary and hygienic requirements to be followed in a milk processing unit according to FSS regulation. 7
- (b) Narrate the Export Act existing in our country for export of food products. 7
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