

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

Term-End Examination

June, 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) GTR
 - (b) Breathing films
 - (c) Shrink packaging
 - (d) GM Foods
 - (e) GAP
 - (f) Round robin test
 - (g) Critical control point

 2. Write short notes on the following : 4x3½=14
 - (a) Modified atmosphere packaging
 - (b) Food hazards
 - (c) Good manufacturing practices
 - (d) Internal audits

 3.
 - (a) Classify the packaging materials with examples. Narrate the packaging requirements for raw and processed fruits, vegetables and dairy products. 7

 - (b) Explain the method of aseptic packaging. Write the advantages of active packaging and biodegradable packaging. 7

4. (a) Give the steps of canning. Explain the working principle of Form, Fill and Sealing (FFS) machine. 7
(b) Describe the quality attributes of food. 7
5. (a) Briefly describe any two pre-requisite programmes of HACCP. 7
(b) Give the principles of waste management. What role the ETP plays in a food processing plant ? 7
6. (a) Write a note on TQM. What are the applications of ISO - 17025 in different food industries ? 7
(b) List the principles of HACCP. Mention the CCPs in a processing line of any food product and monitoring procedure for any CCP. 7
7. (a) Narrate the salient features of FSSA, 2006. 7
(b) Write notes on WTO implications and Codex. 7
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