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Paper Code : DPN-103

Roll No.

**PGDPPN-3, M.Sc. (DFSM)-3
1st Year Examination, Academic Batch 2018
Food Microbiology & Safety**

Time : 3 Hours]

[Max. Marks : 100

*Note. Attempt any **Five** questions. All questions carry equal marks.*

Q.1 What is food microbiology? Discuss the role of microorganisms in fermented foods.

Q.2 Define food safety. Discuss the physical, chemical and biological hazards to food safety.

Q.3 What are the various sources of food contamination? Explain the methods to control or destroy the microorganisms in food.

Q.4 Classify food borne disease. Discuss about the causative agents and methods to control them.

Q.5 Factor affecting Growth of micro-organisms? What is control and destruction of microorganisms?

Q.6 Write the explain spoilage of different food?

Q.7 Write a short note

- (a) My co toxins
- (b) Food burn intoxications
- (c) Chemical changes due to spoilage
- (d) Safety Tissue

Q.8 (a) Classification of food additives and role of additives in food products?

(b) What is food adulteration and harmful effects of adulterants?