Printing Page(s) : 1 **Paper Code :DPM-102**

Roll No. | | | | | | | | | | |

PGDFSQM-2
1st Year Back Examination, June 2022
Advance Food Microbiology

Time : 3 Hours] *[Max. Marks : 70]*

***Note**. (A)Attempt any **five** questions.*
*(B) Each question carries equal marks. (14*5)*

1. (a) What are micro-organism? Write the important of Micro-organism in food? **14**
   (b) What are the three most common micro-organism found in food?

2. (a) What are the types and causes of food spoilage? **14**
   (b) How do bacteria food? What is Growth curve?

3. (a) What is food preservation? What are the principles of food preservation? **14**
   (b) What are the common food-borne diseases?

4. (a) What are the various types of fermentation? **14**
   (b) What are the major groups of commercially important fermentation?

5. (a) What is food born disease? How do Micro- organisms cause disease? **14**
   (b) What are the common food–borne diseases?

6. (a) Define probiotic and write the health benefits of probiotic. **14**
   (b) Write the differentiate between prebiotics and pro biotic.

7. (a) Name some defined and complex media. What is the difference between them? **14**
   (b) Differentiate between enriched. Define and differentiate media.

8. (a) Enlist the need for rapid detection techniques of microorganisms in food? **14**
   (b) What are biochemical kits?