

This question paper contains **2** printed pages]

**BR—51—2016**

**FACULTY OF SCIENCE**

**M.Sc. (Second Year) (Fourth Semester) EXAMINATION**

**NOVEMBER/DECEMBER, 2016**

**(Revised Course)**

**BIOTECHNOLOGY**

**Paper BTT-4.1**

**(Food Biotechnology)**

**(Thursday, 17-11-2016)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—Three Hours*

*Maximum Marks—50*

*N.B. :— (i) All questions are compulsory.*

*(ii) All questions carry equal marks.*

*(iii) Draw neat and well labelled diagram wherever necessary.*

1. Give an account on impact of biotechnology on the nutritional quality of food. 10

*Or*

Describe in detail microbial polysaccharide in food. 10

2. Explain in detail Hnccp system to food protection. 10

*Or*

Describe types and application of sweetners. 10

3. Explain in detail fermentation technology for traditional food of the Indian subcontinent. 10

*Or*

Describe the spirulina. 10

4. Explain in detail the concept of prebiotics. 10

P.T.O.

WT

( 2 )

BR—51—2016

Or

Describe application of ELISA in food.

10

5. Write short notes on any *two* :

2×5=10

(a) Carotene

(b) Biosensors

(c) Types of food additives

(d) Food spoilage.

BR—51—2016

2