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Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION  
NOVEMBER 2010**

Microbiology

**M.B. 3.3 T – FOOD AND AGRICULTURAL MICROBIOLOGY**

(2005 Admissions)

[Regular/Improvement]

Time : Three Hours

Maximum : 80 Marks

**Section A**

*Answer all questions.  
Each question carries 2 marks.*

Write very briefly on:

1. Acidophiles.
2. D-value.
3. Radappertisation.
4. Ergotism.
5. Pulsed field gel electrophoresis.
6. Mashing.  
Food borne intoxication.
- Immunomagnetic reagents.
9. Nisin.
10. Tripartite associations.
11. VAM.
12. Endophytes.
13. Biopesticide.
14. Cometabolism.
15. Nod factor.
16. Sauerkraut.
17. Propionic culture.
18. Bifidobacterium.
19. USFDA.
20. Critical control point.

(20 x 2 = 40 marks)

Turn over

**Section B**

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*Answer any **five** questions.  
Each question carries **8** marks.*

**Write notes on:**

1. Intrinsic factors that affect food spoilage.
2. Physical means of food preservation.
3. Microbes involved in dairy fermentation.
4. Plant - **Rhizosphere microflora** interactions.
5. **HACCP**.
6. Plant diseases caused by micro-organisms.
7. **Biofertilizers**.

(5 x 8 = 40 marks)