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Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2010

Microbiology

MB 22T—IMMUNOLOGY

(2005 Admissions)

Time : Three Hours

Maximum : 80 Marks

Section A

Write about or answer all the questions. Each in 2 or 3 sentences.

1. Lymphocytes.
2. Coomb's test.
3. Immuno-suppressive drugs.
4. VDRL test.
5. Immuno-electrophoresis.
6. Kupffer cells.
7. IgG.
8. Dendritic cells.
9. Adjuants.
10. HLA typing.
11. Co-agglutination.
12. Antigenic determinant.
13. Properdin pathway.
14. Cytokines.
15. ELISA
16. Serum sickness.
17. Neo-antigens.
18. Spleen.
19. Hetrophile antigens.
20. Lattice hypothesis.

(20 x 2 = 40 marks)

Section B

Write briefly or discuss any **five** *of the following.*

1. Anaphylaxis.
2. Maturation of T cells.
3. MHC.
4. Agglutination reactions.
5. Structure of immunoglobulins
6. Monoclonal antibodies.
7. Radio immuno assay.

(5 x 8 = 40 marks)

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Name.....

Reg. No. . . . . .

THIRD SEMESTER M.Sc. DEGREE EXAMINATION NOVEMBER 2009

Microbiology

MB 3.3T – FOOD AND AGRICULTURAL MICROBIOLOGY

(2005 Admissions)

Time : Three Hours | Maximum : 80 Marks

Section A

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

Write very briefly on :

1. Z-value.
2. Aflatoxin.
3. Alkalophile.
4. Canning.
5. Microbial succession.
6. HACCP.
7. Lactocin.
8. Secondary metabolites.
9. *Bacillus thuringiensis*.
10. Epizootic ulcerative syndrome.
11. Actinorhizae.
12. Nitrogen fixation.
13. Radurisation.
14. Modified atmosphere storage.
15. ICMSF.
16. Mycotoxins.
17. Tofu.
18. Salmonellosis.
19. Enology.
20. *Spirulina maxima.*

(20 x 2 = 40 marks)

Section B

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

Write notes on :

1. Spoilage microflora of fruits and stores grains.
2. Chemical means of food preservation.
3. Biogas production from agrowaste.
4. Production of Sauerkraut.
5. Biological insect control.
6. Extrinsic factors of food spoilage.
7. Strategies to control plant diseases.

(5 x 8 = 40 marks)

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