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Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, AUGUST 2006

Microbiology

Paper IV—IMMUNOLOGY

Time : Three Hours

Maximum : 80 Marks

Section A

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

Write very briefly on :

- | | |
|---|--------------------------------|
| 1. Local immunity. | 2. Toxoids. |
| 3. Indirect complement fixation test. | 4. Freund's complete adjuvant. |
| 5. DNA vaccines. | 6. Phagocytosis. |
| B cell proteins. | 8. Zone phenomenon. |
| 9. HLA. | 10. Properdin pathway. |
| 11. Sequestered antigens. | 12. LE cell. |
| 13. Mixed Leucocyte culture test. | 14. Allergen skin test. |
| 15. Bombay blood group. | 16. GVH reaction. |
| 17. Atopy. | 18. Ig D. |
| 19. Indirect immunofluorescence. | 20. Immunological tolerance. |

(20 x 2 = 40 marks)

Section B

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

Write notes on :

- | | |
|-----------------------------------|-----------------------------|
| 1. Ig M. | 2. ELISA. |
| 3. Monoclonal antibodies. | 4. Rh incompatibility. |
| 5. Immunodiffusion in gel. | 6. Immune complex diseases. |
| 7. Vaccines. | |

(5 x 8 = 40 marks)

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Name.....

Reg. No......

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, FEBRUARY 2006

Microbiology

Paper VII—MEDICAL MICROBIOLOGY

Time : Three Hours

Maximum : 80 Marks

Section A

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

Write very briefly on :

- | | |
|-------------------------------|---------------------------------------|
| 1. Toxoid. | 2. Weil's disease. |
| 3. Elek's test. | 4. Urethritis. |
| 5. Serum hepatitis. | 6. Rubella. |
| 7. Retroviruses. | 8. Aflatoxin. |
| 9. Giardia lamblia. | 10. Meningitis. |
| 11. Black water fever. | 12. Leishmann staining. |
| 13. Chagas disease. | 14. Dimorphic fungi. |
| 15. Sulphonamides. | 16. Minimum inhibitory concentration. |
| 17. Beta lactamase. | 18. Indole test. |
| 19. Lacto phenol cotton blue. | 20. Saboraud's medium. |

(20 x 2 = 40 marks)

Section B

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

Write notes on :

21. Etiology and pathogenesis of gas gangrene.
22. Rickettsial fevers.
23. Viral encephalitis.
24. Antibacterial aminoglycosides.
25. Automation in diagnostic microbiology.
26. Opportunistic fungi.
27. Schizogony in plasmodium.

(5 x 8 = 40 marks)