



Time: 3 Hrs.

[Max. Marks: 90]

MICROBIOLOGY (Old Scheme)

QP Code: 1007

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate different methods of gene transfer. Describe genetic mechanisms of drug resistance in bacteria
2. Describe pathogenesis, lab diagnosis and prophylaxis of rabies

SHORT ESSAY

10 X 5 = 50 Marks

3. Toxic shock syndrome
4. Tissue culture methods
5. BCG vaccine
6. Mycetoma
7. Life cycle of Hook Worm
8. Leishman Donovan bodies
9. Dengue fever
10. Trichuris Trichiura
11. Rhinosporidium
12. Relapsing fever

SHORT ANSWERS

10 X 2 = 20 Marks

13. Nagler's reaction
14. Name two operculated eggs
15. Indole test
16. Two examples of viviparous parasites
17. Satellitism
18. Koch's Postulates
19. Name two Immunodeficiency syndromes
20. Heterophile antigen
21. Name four oncogenic viruses
22. Draw labeled diagram of Rhizopus

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