

S. S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH CENTRE.
NH-4, By Pass Road. DAVANGERE

Department of Microbiology
M.B.B.S Second Phase Examination

Time: Three Hours
Marks

Max. Marks: 100

Microbiology -PAPER I

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

LONG ESSAYS

2 x 10 = 20 Marks

1. Write in details about pathogenesis, clinical features and laboratory diagnosis of pulmonary tuberculosis. [3+2+4]
2. Define Hypersensitivity. Classify it and write in details about Type I Hypersensitivity. [1+3+5]

SHORT ESSAYS

10 x 5 = 50 Marks

3. Bacterial capsule
4. Tyndallisation
5. Transduction
6. Bacterial growth curve
7. Satellitism
8. Non sporing anaerobes
9. Determinants of pathogenicity of Neisseria gonorrhoeae
10. Pseudomembranous colitis
11. CAMP test
12. Alternate pathway of complement

SHORT ANSWERS

10 x 3 = 30 Marks

13. Four differences between Pneumococci and other alpha hemolytic Streptococci
14. Give two examples of live attenuated vaccines
15. Preventive vaccines against typhoid fever
16. Four properties of El Tor vibrio
17. Culture methods of Bordetella pertussis
18. Four general features of Mycoplasma
19. Name four treponemal tests for diagnosis of Syphilis
20. Brill-Zinsser disease
21. Structure and function of IgE antibody
22. Mechanism of Immune tolerance
