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M.B.B.S. PHASE II Degree Examination - June 2013

Time: Three Hours **Max. Marks: 100 Marks**

MICROBIOLOGY -Paper -I
(RS2 & RS3 SCHEME)
QP Code: 1083

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Draw neat labeled diagram of bacterial cell. Describe flagella in detail. 5 + 5
2. Describe the pathogenesis and laboratory diagnosis of typhoid fever. 5 + 5

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Bacterial conjugation
4. Hot air oven
5. Antimicrobial susceptibility testing
6. Humoral immune response
7. Agglutination reactions
8. Type IV hypersensitivity
9. Structure of Ig M
10. Laboratory diagnosis of acute pyogenic meningitis
11. Virulence factors of Staphylococcus aureus and their disease association
12. Secondary syphilis and laboratory diagnosis

SHORT ANSWERS **10 x 3 = 30 Marks**

13. MHC restriction
14. Disease mechanism of acute rheumatic fever
15. Haptens
16. Natural acquired immunity
17. Various modes of transmission of infections and examples
18. Mechanisms of autoimmunity
19. Enumerate bacterial agents causing wound infection
20. Laboratory diagnosis of gonococcal urethritis
21. Cutaneous anthrax
22. Mantoux test

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