

**Time: Three Hours**

**Max. Marks: 75 Marks**

**MICROBIOLOGY**  
**(RS-3 & RS-4)**

**Q.P. CODE: 1735**

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

**LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Define sterilization, list the methods, discuss the autoclave
2. Define and classify hypersensitivity. Describe in detail anaphylaxis
3. Name the organisms causing meningitis. Describe the laboratory diagnosis of bacterial meningitis caused by mycobacterium tuberculosis

**SHORT ESSAYS (Answer any Seven)**

**7 x 5 = 35 Marks**

4. Bacterial growth curve
5. Widal test
6. Bacterial capsule
7. Laboratory diagnosis of intestinal amoebiasis
8. M M R vaccine
9. Passive immunity
10. Acid fast staining
11. Candida
12. Food poisoning

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

13. Name two bacteria having flagella
14. Four contributions of Robert Koch
15. Name two sexually transmitted diseases
16. Draw immunoglobulin 'G'
17. Pasteurisation
18. Draw hook worm and round worm ova
19. Name two fungal infections
20. Blood culture
21. Name two RNA viruses
22. VDRL test



"REFERENCE ONLY"

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