

**Q.P. CODE: 506-A**  
**DR NTR UNIVERSITY OF HEALTH SCIENCES ::**  
**VIJAYAWADA-8**  
**M.B.B.S. DEGREE EXAMINATION - APRIL, 2009**  
**SECOND M.B.B.S. EXAMINATION**  
**MICROBIOLOGY**  
**(BACTERIOLOGY & IMMUNOLOGY)**  
**PAPER-I**

Time: 2 Hours

Max. Marks: 40

**Note: Answer all questions. Give diagrammatic representation wherever possible.**

1) Enumerate the organisms causing Meningitis. Describe the pathogenesis and laboratory diagnosis of meningococcal meningitis. (3+3+4=10)

**WRITE SHORT NOTES ON:**

5 X 4 = 20

- 2) Type IV hypersensitivity.
- 3) Lab diagnosis of Leprosy.
- 4) Anaerobe.
- 5) Classification of Bacteria based on their shape.
- 6) T cell and its subsets.

**WRITE BRIEFLY ON:**

5 X 2 = 10

- 7) Normal flora of genito-urinary tract.
  - 8) Typhoid vaccine.
  - 9) Appearance of Mycoplasma colonies in culture media.
  - 10) FTA-ABS test.
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# 11) Cultural characteristics of shigella.

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