

**Q.P. CODE: 506-A**  
**DR. NTR UNIVERSITY OF HEALTH**  
**SCIENCES::AP::VIJAYAWADA-520 008**  
**M.B.B.S. DEGREE EXAMINATION - JULY, 2019**  
**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) Describe the pathogenesis and laboratory diagnosis of Cholera. Add a note on its epidemiology. 4+3+3=10

**WRITE SHORT NOTES ON:**

5 x 4 = 20

- 2) Bacterial filters
- 3) Blood Agar
- 4) Laboratory diagnosis of Pyogenic meningitis
- 5) Actinomycetes
- 6) Secretory Immunoglobulin

**WRITE BRIEFLY ON:**

5 x 2 = 10

- 7) Nonsuppurative complications of Streptococcal infections
  - 8) BCG vaccine
  - 9) Pathogenesis of tetanus
  - 10) Bacterial conjugation
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11) Name two immunodeficiency diseases of T cell defects

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