

**Q.P. CODE: 506-A**  
**DR NTR UNIVERSITY OF HEALTH SCIENCES ::**  
**VIJAYAWADA-8**  
**M.B.B.S. DEGREE EXAMINATION - JULY, 2013**  
**SECOND M.B.B.S. EXAMINATION**  
**MICROBIOLOGY**  
**(BACTERIOLOGY & IMMUNOLOGY)**  
**PAPER-I**

Time: 2 Hours

Max. Marks: 40

**Note: Answer all questions**

1) Describe the suppurative and nonsuppurative clinical manifestations of streptococcus pyogenes infections. Add a note on the diagnosis of acute rheumatic fever. 5+5=10

**WRITE SHORT NOTES ON:**

5 x 4 = 20

2) Immunodeficiency diseases associated with disorders of Phagocytosis

3) Differences between primary and secondary immune responses

4) Type II cytotoxic hypersensitivity

5) Food poisoning due to Bacillus cereus

6) Virulence factors of Vibrio cholerae

**WRITE BRIEFLY ON:**

5 x 2 = 10

7) Graft- versus-host response

8) Weil - Felix test

9) Bacterial cell wall

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10) HACEK group of organisms

11) Transfer factor

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