

**Q.P. CODE: [INSERT CODE HERE]**  
**DR NTR UNIVERSITY OF HEALTH SCIENCES ::**  
**VIJAYAWADA-8**  
**M.B.B.S. DEGREE EXAMINATION - JANUARY, 2014**  
**SECOND M.B.B.S. EXAMINATION**  
**MICROBIOLOGY**  
**(BACTERIOLOGY & IMMUNOLOGY) PAPER-I**

Time: 2 Hours

Max. Marks: 40

**Answer all questions**

1) Classify hypersensitivity reactions with examples.  
Describe type 1 hypersensitivity. 5+5=10

**WRITE SHORT NOTES ON:**

5 x 4 = 20

- 2) Auto immunity
- 3) Requirements of ideal media
- 4) Immunological tolerance
- 5) C Reactive Protein
- 6) Bacterial filters

**WRITE BRIEFLY ON:**

5 x 2 = 10

- 7) Live bacterial vaccines
- 8) Define monoclonal antibodies
- 9) X and V factors
- 10) String test
- 11) Phagocytosis

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