

T.Y.B. Sc. Examination, March 2017

Paper 303- Immunology and clinical microbiology

Time: 2Hr.

Code: 8957

Marks: 75

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Instructions: 1) Figures to the right indicates total marks of respective questions.

2) Draw neat, clean and labeled diagram wherever necessary.

- Q.1 a) Write in detail about epidemiology 09  
b) Define: Infection and write about it in detail . 09  
**OR**
- Q.1 a) Explain: Precipitation reaction. 09  
b) Give detail structure of Immunoglobulin. 09
- Q.2 a) Discuss: Type IV Hypersensitivity 09  
b) Define: Monoclonal antibody and explain. 09  
**OR**
- Q.2 a) Give causative agent, transmission and symptoms of Tetanus. 09  
b) Describe in detail: Nosocomial infection. 09
- Q.3 a) Define: Hematopoiesis and explain. 09  
b) Explain: DNA Finger printing. 09  
**OR**
- Q.3 a) Discuss: AIDS. 09  
b) Discuss: RIA. 09
- Q.4 Write short note on: 21  
a) Natural Resistance  
b) Clonal selection theory  
c) Atopy  
**OR**
- Q.4 Write short note on: 21  
a) Tuberculosis  
b) Blood functions  
c) Immunization