

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 3rd Semester Internal Examination 2013 (*Mid-Sem II*)

030020302-Pharmaceutical Microbiology

Time: 10:30 A.M. To 12:30 P.M.

Max. Marks: **40**

Date: 23/11/2013

Instructions:

- Attempt any **FIVE** questions.
- Each question carries **08** marks.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

- Q.1 A) Explain the terms: Hypersensitivity, Antigen, Polyvalent vaccine and Z-Value. 4
- B) Discuss: Methods for isolation of pure culture 4
- Q.2 A) Write down ideal properties of disinfectant. 4
- B) Discuss external defense mechanisms of body. 4
- Q.3 A) Explain the role of B-lymphocytes and Natural Killer Cells in immunity. 4
- B) Explain procedure for sterility testing for pharmaceutical products according to Indian Pharmacopeia. 4
- Q.4 A) Explain: Precipitin test and Complement fixation test. 4
- B) Explain: Phenol Coefficient Tests. 4
- Q.5 A) Discuss: Mantoux test and Schick test. 4
- B) Write a detail note on: Autoclave. 4
- Q.6 A) Write down applications of antigen-antibody reaction. 4
- B) Write down the difference between Pour plate and streak plate method. 4
- Q.7 A) Differentiate between Active and passive immunity. 4
- B) Write a detail note on: Bacillus Calmette-Guerin (BCG) Vaccine. 4