

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.

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| 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 |