

**QP CODE:202326**

**Reg.No: .....**

Second Year Pharm D Degree Supplementary Examinations -  
February 2015

**Pharmaceutical Microbiology**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Define disinfection. Elaborate on the chemical methods of disinfection
2. Discuss the isolation of pure culture
3. Describe the tuberculosis – pathogenesis, lab diagnosis and treatment

**Short notes**

**(8x5=40)**

4. Total and viable counting of bacteria
5. Describe the Widal test and Southern blot test
6. Validation and importance of booster dose
7. Describe the determinants of antigenicity
8. Describe the microbiological assay of streptomycin
9. Flagella
10. Explain the lytic and the lysogenic cycle in viruses
11. Method of cultivation for anaerobes

\*\*\*\*\*