

**QP CODE:202326**

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

Second Year Pharm D Degree Examinations - August 2014

**Pharmaceutical Microbiology**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Explain the replication of an animal virus in detail.
2. Discuss the different methods of evaluation of bacteriostatic activity of a disinfectant.
3. Enlist the moist heat sterilization methods. Explain the equipment used the process and applications of steam-jacketed autoclave.

**Short notes**

**(8x5=40)**

4. Explain principle and procedure involved in MR and VP test
5. Schick test.
6. Principle and procedure involved in antibiotic assay.
7. Explain the causative organism, mode of transmission and treatment of tuberculosis.
8. Classify micro organisms depending on its temperature requirement with examples.
9. Explain Whittaker's five kingdom concept.
10. What is viable count. Explain the various techniques of viable count .
11. Explain the cultivation of anaerobic micro organism.

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