

**QP CODE: 202326**

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

Second Year Pharm D Degree Supplementary Examinations January 2017

**Pharmaceutical Microbiology**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Explain lytic and lysogenic life cycle of a virus.
2. Classify culture media and explain each one with example.
3. What is total count and give the different methods of measuring total count with its merits and demerits.

**Short notes**

**(8x5=40)**

4. Explain the structure and properties of antibody with a neat diagram.
5. What are the functions of pili and capsule in a bacterial cell.
6. Mention the causative organism, symptoms, transmission and treatment for syphilis.
7. Whittaker's five kingdom concept.
8. What are the different nonspecific internal defense mechanisms and explain them.
9. List out the different factors that affect the activity of a disinfectant.
10. Why moist heat is a better sterilant than dry heat.
11. Explain the life cycle of a malarial parasite.

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