

**QP CODE: 202326**

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

**Second Year Pharm D Degree Examinations June 2019**

**Pharmaceutical Microbiology**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Detail the cultivation of animal viruses.
2. Classify types of staining and explain in detail gram staining and acid-fast staining.
3. Explain the principle and procedure of gaseous sterilization and also list out its merits and demerits.

**Short notes**

**(8x5=40)**

4. Classify disinfectants giving examples and name any two compounds used for disinfection of water.
5. Write the principle, procedure and application of Mantoux test
6. In detail explain cultivation of anaerobic bacteria.
7. Classify culture media along with examples for each.
8. Mention the causative organism, mode of transmission, signs and symptoms, diagnosis and treatment of tuberculosis.
9. The method of treatment of HIV
10. Enriched media and selective media
11. Explain the determination of coefficient through Rideal Walker test

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