

**QP CODE: 202326**

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

**Second Year Pharm D Degree Regular/Supplementary Examinations  
December 2023**

**Pharmaceutical Microbiology**

**Time: 3 Hours**

**Total Marks: 70**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays**

**(3x10=30)**

1. Describe in detail the classification and characteristics of culture media.
2. Describe the IgG antibodies and monoclonal antibodies.
3. Classify bacteria. Explain in detail infectious disease caused by Mycobacteria

**Short notes**

**(8x5=40)**

4. Pasteurization.
5. Write about lytic growth cycle of Bacteriophage
6. Brief the construction and working of laminar airflow.
7. Microbial assay of Vitamin B<sub>2</sub>.
8. Write the merits and demerits of Antiseptic.
9. Describe the Antibiotic - resistant in Streptomycin
10. Difference between B cell and T cell.
11. Acid-fast staining.

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