

QP Code:104109

Reg. No.:.....

**PG Degree Supplementary Examinations in Microbiology (MD)
November 2021**

Paper IV - Applied Microbiology and Recent Advances in Microbiology

Time: 3 hrs

Max marks:100

- *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*

Essay:

(20)

1. Role of microbiologist in HICC. Write in detail about Antibiotic stewardship and its application in a medical college.

Short essays:

(8x10=80)

2. Nephelometry.
3. Automated blood culture.
4. Laboratory waste management.
5. Hybridization techniques and their uses.
6. Role of Truenat in Covid pandemic.
7. Nested PCR and their uses.
8. Normal flora of human gut and probiotics.
9. Pathogenicity Islands.
