

QP Code:104109

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Microbiology  
(MD) May 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. Define health care associated infections. Discuss the infection control measures used in prevention of catheter related blood stream infections.

**Short essays:**

**(8x10=80)**

2. Role of microbiologist in preventing spread of drug resistant bacteria
3. Gene cloning and recombinant vaccines
4. Sterilisation of operation theatres
5. Vaccine recommendations for health care workers
6. Biomedical waste management in microbiology laboratory
7. Mass spectrophotometry
8. Describe the diagnostic cycle. Explain the pre-analytical phase of a diagnostic cycle
9. Shipping of specimens and cultures

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