

QP Code:104109

Reg. No.:.....

**PG Degree Supplementary Examinations in Microbiology (MD)
October 2019**

Paper IV - Applied Microbiology and Recent Advances in Microbiology

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Enumerate the community outbreak prone diseases. Discuss the role of clinical microbiologists in the management of the community outbreaks

Short essays:

(8x10=80)

2. Vaccines for health care workers
3. MALDI-TOF its principle and role in identification of pathogens
4. Ventilator associated pneumonia
5. Application of WHONET software in microbiology
6. Interferon and its uses
7. Neglected tropical diseases
8. Discuss about chromogenic media
9. Discuss the disk diffusion methods used to detect drug resistant strains
