

QP Code:104109

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Microbiology
(MD) June 2020**

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. Discuss various automation methods in diagnostic microbiology.

Short essays:

(8x10=80)

2. Next Generation Sequencing (NGS).
3. ESKAPE pathogens.
4. Hand hygiene.
5. Antibiotic policy of a hospital.
6. DNA probes.
7. Babesiosis.
8. Multidrug Resistant Tuberculosis (MDR TB).
9. Epidemiological markers.
