

QP Code:104109

Reg.No.:.....

PG Degree Examinations in Microbiology (MD) - June 2015

Paper IV - Applied Microbiology and Recent Advances in Microbiology

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. Describe the steps involved in the investigation of an outbreak. Discuss the methods used in epidemiological typing.

Short essays: (8x10=80)

2. Discuss application of nanotechnology in microbiology.
3. Discuss newer approaches for development of vaccines in infectious diseases.
4. Describe the role of real time PCR in infectious diseases.
5. Describe the types, aetiological agents and methods in detecting blood stream infections (BSI).
6. Discuss the need and methodology of external quality assessment programme.
7. Recent advances in prevention of nosocomial infections.
8. Role of urinary antigens in diagnosis of infectious diseases.
9. Describe the role of mice in animal experiments.
