

Sl.No.M21883

Course Code: 2020304

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

M.D. DEGREE EXAMINATION - October 2019

MICROBIOLOGY

**PAPER IV : MYCOLOGY, APPLIED MICROBIOLOGY AND
RECENT ADVANCES**

Time: Three hours

Total Marks : 100

Answer ALL questions

SECTION - A

Write essay on : (1 x 20= 20)

1. Role of microbiologist in infection control.

Write short notes on : (5 x 6 =30)

2. Biological agents used in weaponization.
3. Hazards of immunization.
4. Quality control in microbiology.
5. Tigecycline.
6. Rapid diagnosis methods in bacterial disease.

SECTION - B

Write essay on : (1 x 20= 20)

7. List the opportunistic fungal agents. Describe the pathogenesis and laboratory diagnosis of the medically important candida with special reference to drug resistance in candida species.

Write short notes on : (5 x 6 = 30)

8. Fungal keratitis.
9. Piedra.
10. Pneumocystis jiroveci.
11. Superficial mycosis.
12. Slide culture.
