Sl.No.M21136 Course Code: 2770202

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM (Deemed to be University)

B.Sc. (PHYSICIAN ASSISTANT) DEGREE EXAMINATION August 2019 Second Year

MICROBIOLOGY

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following:

 $(1 \times 20 = 20)$

- 1. Describe the structure and organelles in bacteria. Add a note on the difference between Gram positive & Gram negative bacteria with suitable diagrams.
- 2. Write the various methods of sterilization. Add a note on moist heat sterilization.

II. Write short notes on any TWO of the following:

 $(2 \times 10 = 20)$

- 3. Write about Hospital acquired infections
- 4. Write notes on different types of bacterial culture media.
- 5. Aggultination reactions
- 6. Write about the classification of fungal diseases and list out the causative agents.

III. Write short answers on any SEVEN of the following:

 $(7 \times 5 = 35)$

- 7. Write the structure of Hepatitis virus. Add a note on the different types of Hepatitis virus.
- 8. Write the mode of transmission of Rabies virus, Add a note on its structure
- 9. Write about any two autoimmune disorders
- 10. Write the Principle and procedure involved in Gram staining technique
- 11. Name three antiviral agents and its mode of action
- 12. Write the pathogenesis of Treponema
- 13.Lab diagnosis of enteric fever
- 14.T Cell receptors
- 15. Write the pathogenesis of Tetanus
- 16. Write the treatment and prophylaxis of Tuberclosis