

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

**B.H.M.S. DEGREE EXAMINATION – October 2018
Second Year**

PATHOLOGY AND MICROBIOLOGY – PAPER - II

Time: Three hours

Maximum: 100 marks

I. Write long essays on any **TWO** of the following: (2 x 15 = 30)

- 1) Define sterilization and explain the sterilization by a physical agent and chemical agent.
- 2) Describe the life cycle, pathogenicity, lab diagnosis of *Wuchereria bancrofti*.
- 3) Define immunity. Discuss in detail about active and passive immunity.

II. Write short essays on any **TEN** of the following: (10 x 5 = 50)

- 4) Shapes of bacteria
- 5) Morphology and pathogenicity of *Schistosoma haematobium*.
- 6) *Leishmania donovani* life cycle and laboratory diagnosis.
- 7) *Chickungunya Virus*
- 8) *Trichomonas Vaginalis*
- 9) Pathogenesis and clinical features of HIV.
- 10) *Varicella – zoster virus*
- 11) Culture methods
- 12) *Pneumococci*
- 13) Antigen – antibody reaction
- 14) True pathogens
- 15) Complement fixation test.

III. Write short notes of the following: (**Answer ALL**): (10 x 2 = 20)

- 16) Quellung reaction
- 17) German Measles
- 18) Tetanus toxin
- 19) Shigellosis
- 20) Yellow fever
- 21) Transport media
- 22) Gram's stain
- 23) Rabies virus
- 24) Koplik spots
- 25) General properties of virus.