

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

**B.H.M.S. DEGREE EXAMINATION – August 2021
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) Describe the morphology, cultural characteristics, pathogenesis and lab diagnosis of Mycobacterium Tuberculae.
- 2) Describe in detail about life cycle, pathogenicity, lab diagnosis of Ancylostoma Duodenale.
- 3) Describe morphology, toxin, pathogenesis and lab diagnosis of vibrio cholera.

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

- 4) Hydatid cyst and its diagnosis.
- 5) Actinomycosis.
- 6) Pathogenesis of Wuchereria bancrofti.
- 7) Pathogenesis of Yersenia pestis.
- 8) Pathogenicity of Salmonella typhi.
- 9) Explain Botulism.
- 10) Rabies virus.
- 11) Pathogenesis of Varicella zoster.
- 12) Lab diagnosis of syphilis.
- 13) Autoimmune disease.
- 14) Culture methods.
- 15) Chemical methods of sterilization.

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

- 16) NIH swab.
- 17) Endotoxin and Exotoxin.
- 18) Cysticercosis.
- 19) Herd immunity.
- 20) Streptococcal toxins.
- 21) List out DNA viruses.
- 22) Cell mediated immunity.
- 23) Rubella virus.
- 24) Zoonotic disease.
- 25) Immunoglobulins.