

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

**B.H.M.S. DEGREE EXAMINATION – October 2019
Second Year**

PATHOLOGY AND MICROBIOLOGY – PAPER - I

Time: Three hours

Maximum: 100 marks

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

- 1) Define Embolism. Discuss briefly about pathology of different types Embolism.
- 2) Define Pneumonia. Describe the types in short and explain Lobar Pneumonia.
- 3) Define gangrene. Describe its types in detail.

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

- 4) Cellular changes of acute inflammation.
- 5) Metaplasia and its types.
- 6) Reversible cell injury and its characteristics.
- 7) Difference between thrombosis and Postmortem clot.
- 8) Define amyloidosis and explain its pathologic changes in different organs.
- 9) Angina pectoris and its types.
- 10) Pathology of Atheroma.
- 11) Pathology of Colloid Goitre.
- 12) Osteosarcoma and its pathological characteristics.
- 13) What is Biopsy? Explain bone marrow biopsy and the indications to do it.
- 14) Five chemical mediators of inflammation and its significans.
- 15) Define five types of degenerations.

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

- 16) Virchows triad
- 17) Difference between exudates and transudate.
- 18) Opsonins
- 19) Mention the goals of Repair.
- 20) Collision Tumor
- 21) Broodies Abscess
- 22) Abnormal Heamoglobins
- 23) Bence Jones protein.
- 24) Define hydrocephalus.
- 25) Define Neutropenia.