

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)
B.Sc. (Allied Health Sciences) DEGREE EXAMINATION-March 2019
First Year
MICROBIOLOGY

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. Write the properties of viruses and virus host interaction? Explain about Any two virus and its mode of action.
2. Explain in detail the life cycle, pathogenesis and Lab diagnosis of Malarial parasites.

II. Write short essays on any TWO of the following: (2 x 10 = 20)

3. Write in detail about innate and acquired immunity.
4. Explain the organisms involved in deep mycoses. Add a note on the specimen collection and transportation in deep mycoses.
5. Write the properties of HIV and its mode of action.
6. Write the morphology, life cycle, pathogenesis and lab diagnosis of *Entamoeba histolytica*.

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. Bacterial cell structure.
8. Structure of antibody.
9. Write a short note on the disease caused by *Mycobacterium leprae*.
10. Write the general properties of trematodes.
11. Picorna Virus.
12. Write the morphology and disease caused by *Aspergillus*.
13. Write the morphology and cultural characteristics of *Corynebacterium diphtheria*.
14. Write short notes on antifungal agents.
15. Write the properties of cestodes.
16. Write short note on the classification of Hospital waste.