

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

**BDS DEGREE EXAMINATION – February 2020
Second Year**

GENERAL MICROBIOLOGY

Time: Three hours

Maximum: 100 marks

**SECTION – A
Answer ALL Questions**

I. ESSAY: (1 x 15 = 15)

1. Classify culture media and write in detail about anaerobic culture methods.

II. WRITE SHORT NOTES ON: (3 x 5 = 15)

2. Gene transfer methods.
3. Post suppurative complications of streptococci.
4. Pathogenesis and laboratory diagnosis of syphilis.

III. WRITE BRIEFLY ON: (10 x 2 = 20)

5. Name the animal models used for cultivation of mycobacterium leprae.
6. Enumerate the bacterial zoonotic infections.
7. Doderlein's bacilli.
8. Antibiotic associated diarrhea.
9. Draw neat labelled diagram of primary (central) lymphoid organs.
10. Name the methods to detect cell mediated immunity.
11. Coagglutination test.
12. Difference between exotoxin and endotoxin.
13. List the hospital disinfectants with its advantages and disadvantages.
14. Name four nobel lauretes in microbiology and their contribution.

(p.t.o)

SECTION – B

Answer ALL Questions

IV. ESSAY:

(1 x 15 = 15)

15. Classify human herpes virus. Describe the pathogenesis, clinical features, laboratory diagnosis, and treatment and prevention of herpes simplex infections.

V. WRITE SHORT NOTES ON:

(3 x 5 = 15)

16. Classify fungi and write in detail about opportunistic mycosis.
17. Serological markers of hepatitis b infection and its prophylaxis.
18. Asexual cycle (Schizogony) of malaria parasite.

VI. WRITE BRIEFLY ON:

(10 x 2 = 20)

19. Draw neat labelled diagram of different routes of inoculation in the embryonated egg with examples.
20. Name four killed viral vaccine.
21. List four dimorphic fungi.
22. Name the concentration techniques in stool examination.
23. Name two stains and two culture media for fungal identification.
24. List four antiretroviral drugs.
25. Draw neat labelled diagram of giardia egg and trichomona vaginalis cyst.
26. Name four viral hemorrhagic fevers.
27. List four eggs which float in saturated salt solution.
28. Name four viruses causing diarrhea.

(Sl.No.M22016)