

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

BDS DEGREE EXAMINATION – August 2018
Second Year

GENERAL MICROBIOLOGY

Time: Three hours

Maximum: 100 marks

SECTION – A
Answer ALL Questions

I. ESSAY: **(1 x 15 = 15)**

1. Classify different methods of sterilization with examples. Write in detail about autoclave (7+8)

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

2. Typhoid fever
3. Robert Koch
4. Types I hypersensitivity

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

5. Blood agar
6. Structure of immunoglobulin
7. Gram stain
8. Pasteurisation
9. Plasmids
10. Fluorescence microscope
11. MRSA
12. Macrolides
13. Streptococcus viridans
14. ELISA

SECTION – B

Answer ALL Questions

IV. ESSAY: **(1 x 15 = 15)**

15. Describe HIV virus with diagrammatic representation. Explain the mode of transmission, lab diagnosis and prevention of HIV (3+4+3+5)

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

- 16. Herpes simplex virus
- 17. Malaria
- 18. Candidiasis

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

- 19. Hepatitis B vaccine
- 20. Bacteriophage
- 21. Cell culture of virus
- 22. Giardiasis
- 23. Non bile stained eggs
- 24. MMR vaccine
- 25. Name three hepatitis B antigen
- 26. Name four DNA viruses
- 27. Name four fungi causing systemic mycosis
- 28. Name two parasites causing diarrhea.

(Sl.No.M19077)