

**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

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**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:  
20)**

**(10 x 2 =**

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.

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(Sl.No.M19077)