

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**B.Sc. (NURSING) DEGREE EXAMINATION – February 2021**
First Year**MICROBIOLOGY**

Time: Three hours

Maximum: 75 marks

SECTION – AI. Answer **All** Questions. Each answer in one or two sentences: (15 x 1 = 15)

1. Which helps in association of endotoxin in gram negative bacteria?
2. Mention the components of prokaryotic cell membrane.
3. List out four live attenuated vaccine.
4. Botulinum toxin is made up of?
5. Enlist the methods of heat sterilization.
6. Expand ELISA.
7. Define eurythermal.
8. Mention the fluorescent substance used in fluorescent therapy.
9. Bacillus belongs to the category of?
10. Streptococcus pyogenes classification is based on?
11. Mention the degree of Celsius used in autoclave.
12. Give the example of enriched medium.
13. Robertson cooked medium is an.
14. Which is the first phase of growth curve?
15. Define tyndalization.

SECTION – BII. Write short notes on any **SIX** of the following: (6 x 5 = 30)

16. Describe the life cycle of malarial parasite.
17. Autoclave.
18. Prophylaxis of polio.
19. Bacterial spores.
20. Contributions of Louis Pasteur.
21. Acid Fast Staining.
22. Food poisoning.
23. Source and mode of transmission on infection.

SECTION – CIII. Answer any **THREE** of the following: (3x10 =30)

24. Describe the morphology, staining, pathogenesis and lab diagnosis of Mycobacterium tuberculosis.
25. Classify bacteria and add a note on the factors affecting bacterial growth.
26. Describe the morphology, pathogenesis and laboratory diagnosis of Salmonella? Give a short account of prevention of Salmonella.
27. Define nosocomial Infection. Describe the sources, mode of transmission and write about the hospital infection control programme.