

S.No. M21739

Course Code: 32517202, 30117202, 32417202, 32317202, 32117202, 30217202, 32617202, 26617204

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
B.Sc(ALLIED HEALTH SCIENCES) & M.Sc (Integrated Programs in
Cardiac Technology) DEGREE EXAMINATIONS -August 2019**

**Second Year
MICROBIOLOGY**

Three Hours

Maximum: 75 marks

SECTION - A

I. Choose the Best Answer :

(10 x 1 = 10)

1. peptidoglycon layer of cellwall is thicker in:
(a) Gram positive bacteria (b) Gram negative bacteria (c) fungi (d) parasites
2. Bacteria which can grow at temperature between 25° C and 40° C are known as:
(a) Mesophiles (b) Psychrophiles (c) Thermophiles (d) None of the above
3. All of the following are examples of enriched media except:
(a) Blood agar (b) chocolate agar (c) Leffler's agar (d) bile salt agar
4. Clinical or subclinical infections lead to
(a) Active natural immunity (b) passive natural immunity
(c) Active artificial immunity (d) passive artificial immunity.
5. How many serogroups of Neisseria meningitidis are known:
(a) Nine (b) twelve (c) thirteen (d) fifteen
6. Which of the following infections can be caused by Pseudomonas aeruginosa
(a) Urinary tract infection (b) wound and burn infections (c) pulmonary infections
(d) All of the above.
7. Extraintestinal amoebiasis may occur in
(a) Liver (b) lung (c) brain (d) all of the above
8. Which of the following dermatophytes can infect hair, skin and nail
(a) Trichophyton (b) Microsporum (c) Epidermatophyton (d) All of the above
9. Which of the following is the smallest virus
(a) Papovavirus (b) parvovirus (c) Adenovirus (d) Reovirus
10. How many categories of biomedical waste are there
(a) Five (b) seven (c) eight (d) Ten

II. Write Short Answers on any FIVE of the following:

(5 x 5 = 25)

11. Sterlisation by moist heat
12. Write short notes on Active immunity
13. Write short notes on Larva migran
14. Write short notes on rabies virus

(p.t.o)

15. Laboratory diagnosis of botulism
16. Write short notes on : universal precautions
17. Aspergillosis

III. Write Short Essays on any TWO of the following:

(2 x 10 = 20)

18. Write short notes on (I) Hot air oven. (II) Autoclave.
19. Discuss in detail the laboratory diagnosis of diphtheria.
20. Write short notes on Epstein – Barr virus
21. Cryptococcosis

IV. Write Essays on any ONE of the following:

(1 x 20 = 20)

22. Name various antigen-antibody reactions and describe the principle and application of precipitation reactions.
23. Describe the Morphology, pathogenesis, life cycle and laboratory diagnosis of Entamoeba histolytica

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