

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

B.Sc(ALLIED HEALTH SCIENCES) DEGREE EXAMINATIONS - September 2021

Second Year

MICROBIOLOGY

Three Hours

Maximum: 75 marks

SECTION - A

I. Choose the Best Answer :

(10 x 1 = 10)

1. A tuft of flagella present at one or both ends of bacterial cell, is known as:
a) Monotrichous b) Amphitrichous c) Lophotrichous d) Peritrichous
2. The process by which an article, surface or medium is made free of all microorganism either in the vegetative or spore form is known as:
a) Sterilisation b) Disinfection c) Asepsis d) None of these
3. Temperature and time period used in hot air oven is:
a) 160° C for two hours b) 140° C for two hours
c) 160° C for one hour d) None of the above.
4. All of the following are live vaccines except:
a) BCG b) Sabin vaccine c) MMR d) TAB vaccine
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. Travellers diarrhoea is caused by
a) Enteropathogenic Escherchia coli b) Enterotoxigenic Esch. coli
c) Enteroinvasive Esch. coli d) Enterohaemorrhagic Esch. Coli
8. Hook worm infection occurs by
a) Eggs present in food b) auto infection
c) penetration of skin by infective larvae d) All of the above.
9. Which of the following characteristics are true for viruses
a) Obligate intracellular infective agents b) contain either DNA or RNA
c) do not multiply by binary fission d) All of the above.
10. What are the different modes of transmission of health associated infections
a) Through contact b) airborne c) parenteral route d) all of the above

(p.t.o.)

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

(5 x 5 = 25)

11. Serum inspissations
12. Write short notes on Innate immunity
13. Diphtheroids
14. Discuss the laboratory diagnosis of gas gangrene.
15. Serodiagnosis of brucellosis
16. write short notes on life cycle of *Ascaris lumbricoides*
17. Aspergillosis

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

(2 x 10 = 20)

18. Write in detail about common staining Techniques
19. Discuss briefly about ELISA
20. Discuss the laboratory diagnosis of bacillary dysentery.
21. Candidiasis

IV. Write Essays on any ONE of the following:

(1 x 20 = 20)

22. Classify hypersensitivity reactions. Describe in detail about type I hypersensitivity reactions.
23. Write in detail about Hepatitis virus

(SI.No.M21234)

