

S.No. M22438

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26617204

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
B.Sc(ALLIED HEALTH SCIENCES) & M.Sc (Integrated Programs in
Cardiac Technology) DEGREE EXAMINATIONS - February 2020

Second Year
MICROBIOLOGY

Three Hours

Maximum: 75 marks

SECTION - A

I. Choose the Best Answer :

(10 x 1 = 10)

1. Who is the father of chemotherapy
(a) Robert Koch (b) Louis Pasteur
(c) Paul Ehrlich (d) Joseph Lister
2. Indian ink staining is used to demonstrate:
(a) Cell wall (b) bacterial capsule
(c) bacterial flagella (d) bacterial spore
3. The most widely used disinfectant for human immunodeficiency virus (HIV) infected material is:
(a) Hypochlorite solution (b) Lysol
(c) Formaldehyde (d) Mercuric chloride
4. Chemical nature of endotoxin is
(a) Lipopolysaccharide (b) protein
(c) Carbohydrate (d) none of the above.
5. Streptococcus pneumoniae may cause
(a) Lobar pneumonia (b) broncho pneumonia
(c) Meningitis (d) All of the above
6. Production of diphtheria toxin by bacteria can be demonstrated by
(a) Subcutaneous test (b) intracutaneous test
(c) Elek's gel precipitation test (d) All of the above
7. Malignant pustule lesion found in
(a) Cutaneous anthrax (b) pulmonary anthrax
(c) intestinal anthrax (d) none of the above.
8. Which of the following vaccines are available for prevention of cholera
(a) Killed parenteral vaccine (b) killed oral vaccine
(c) live oral vaccine (d) all of the above
9. Which of the following fungi is a capsulated
(a) Candida albicans (b) Cryptococcus neoformans
(c) Aspergillus fumigatus (d) None of the above
10. Which of the following viruses is bullet shaped
(a) Herpes virus (b) Variola virus
(c) Rabies virus (d) Parvo virus

(p.t.o)

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

(5 x 5 = 25)

11. Pasteurization.
12. Write short notes on types of vaccine .
13. Schick test.
14. Laboratory diagnosis of botulism.
15. write short notes on life cycle of *Ascaris lumbricoides*
16. Write short notes on Collection and transport of specimens.
17. Laboratory diagnosis of black water fever.

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

(2 x 10 = 20)

18. Write short notes on Enriched media and Enrichment media.
19. Discuss the laboratory diagnosis of meningococcal meningitis.
20. Write short notes on Varicella – zoster virus.
21. Penicillosis.

IV. Write Essays on any ONE of the following:

(1 x 20 = 20)

22. Define sterilization. How does it differ from disinfection? Classify the various agents used in sterilization. Add a note on the principle of Autoclave.
23. Write in detail about Hepatitis virus.

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