

Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot
Affiliated to Saurashtra University, Rajkot

SEMESTER END EXAMINATION APRIL - 2018

B.Voc. Medical Laboratory and Molecular Diagnostic Technology

MLMDT 4.3 – SYSTEMIC BACTERIOLOGY, MYCOLOGY & VIROLOGY

Duration of Exam – 2.30 hrs

Semester – IV

Max. Marks – 70

Que. 1 (A) – Answer the following Questions

[20]

1. Staphylococcus is aerobic bacteria. True/False
2. Neisseria is a Gram _____ bacteria
3. Clostridium is anaerobic bacteria. True/False
4. Bacillus is a _____ shaped organism.
5. Bordetella causes _____ disease to humans.
6. Write shape of vibrio bacteria
7. Rickettsia is a _____
8. What is the full form of ELISA?
9. In Mycobacterial diagnosis Nystatin test is carried out. True/False
10. Define capsid?
11. Define hyphae?
12. Write role of inclusion bodies
13. Syphilis is caused by _____
14. Define enteroviruses
15. What is the full form of PCR?
16. Typhoid is caused by
17. In humans cystic fibrosis is caused by
18. The disease caused by Arbo virus is
19. Streptococci are present in chain manner. True/False
20. What is the full form of SEM?

Que. 2 (A) – Answer the following Questions (Any Three)

[06]

1. Write in brief about Chlamydial infection
2. Add a note on strep throat
3. Write in brief about Bacillus infection
4. Write in brief about IMViC
5. Add a note on miscellaneous viruses
6. Explain about opportunistic fungal infection

Que. 2 (B) Answer the following Questions (Any Three)

[09]

1. Add a note on general properties of viruses
2. Write in brief about life cycle of Pox viruses
3. Write in brief about laboratory diagnosis of fungal infection
4. Write in brief about life cycle of rabies
5. Add a note on Chloera
6. Add a note on Influenza

Que. 2 (C) Answer the following Questions (Any Two)

[10]

1. Add a note on laboratory diagnostic methods for viral diseases
2. Write in detail about cultural characteristics, biochemical reaction, and lab diagnosis of Spirochetes
3. Write in brief about life cycle of Myxoviruses
4. Add a note on Clostridial infection
5. Explain about deep fungal infection

Que. 3 (A) – Answer the following Questions (Any Three)

[06]

1. Define interferon
2. Add a note on Yersinosis
3. Write symptoms of Rabies
4. Write symptoms of Lyme disease.
5. Write symptoms of Brucellosis
6. Add a note on Actinomycetes.

Que. 3 (B) Answer the following Questions (Any Three)

[09]

1. Write in short about biochemical reaction, and lab diagnosis of Neisseria
2. Add a note on Diptheria
3. Write in detail about classification of viruses
4. Add a note on Pneumonia
5. Explain in brief about Mycotoxins
6. Write in detail about life cycle of Hepatitis

Que. 3 (C) Answer the following Questions (Any Two)

[10]

1. Write in detail about cultural characteristics, biochemical reaction, and lab diagnosis of Mycobacteria.
2. Write in detail about life cycle of HIV
3. Write in detail about cultural characteristics, biochemical reaction, and lab diagnosis of enterobacteriaceae.
4. Add a note on general properties and cultivation methods of fungi
5. Explain about superficial fungal infection