

July 2023,

BLDE (DEEMED TO BE UNIVERSITY)

M.Sc. Allied Health Sciences (Medical Microbiology)

[Time: 3 Hours]

[Max.Marks:80]

III SEMESTER

PAPER – I (Systemic Bacteriology-II)

QP CODE: 9371

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X3 = 30 Marks

1. Name the bacterial agents causing pyrexia of unknown origin. Write the pathogenesis and lab diagnosis of enteric fever
2. Enumerate sexually transmitted bacteria. Discuss Pathogenesis and laboratory diagnosis of Syphilis.
3. Classify Streptococci. Describe the virulence factors of Streptococcus pyogenes along with the lesions produced and the laboratory diagnosis.

Short Essays:

5 X 10 = 50 Marks

4. Runyons classification of atypical mycobacteria.
5. Describe the pathogenesis, laboratory diagnosis and treatment of bacillary dysentery.
6. Halophilic vibrio.
7. Describe the pathogenesis, laboratory diagnosis, treatment and prophylaxis of gas gangrene.
8. Laboratory diagnosis of pneumococcal pneumonia.
9. Chlamydia
10. Malignant pustule.
11. Coagulase test
12. Describe the pathogenesis, laboratory diagnosis and treatment of brucellosis
13. Differences between Alpha haemolytic streptococci and pneumococci

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III SEMESTER
PAPER – II (Virology)
QP CODE: 9372

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

10X3 = 30 Marks

Long Questions

1. Discuss the modes of transmission and laboratory diagnosis of HIV infection.
2. Discuss the pathogenesis and laboratory diagnosis of Polioviruses. Add a note on prophylaxis.
3. Name the arboviruses which cause haemorrhagic fever. Discuss the pathogenesis and laboratory diagnosis of Dengue.

5 X 10 = 50 Marks

Short Essays:

4. Oncogenic viruses
5. Measles Virus
6. Live viral vaccines
7. Coxsackieviruses
8. Prophylaxis of Rabies
9. Laboratory diagnosis and prophylaxis of Influenza
10. Cytomegalovirus
11. Hepatitis B virus
12. Rotaviruses
13. Slow virus diseases