

MSc IV

AHS

BLDE (DEEMED TO BE UNIVERSITY) Jan-2023.
M.Sc. Allied Health Sciences (Medical Microbiology)

[Time: 3 Hours]

[Max.Marks:80]

IV SEMESTER

PAPER – I (Systemic Bacteriology - I)

QP CODE: 9076

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

Long Questions

10X3 = 30 Marks

1. Describe the pathogenesis and laboratory diagnosis of tetanus. Add a note on prophylactic measures. (3+4+3)
2. List the organisms causing pyogenic meningitis and describe the laboratory diagnosis of pneumococcal meningitis. Add a note on Pneumococcal vaccine. (3+5+2)
3. List the organisms causing sexually transmitted infections and describe the laboratory diagnosis of N.gonorrhoea. (3+7)

Short Essays:

5 X 10 = 50 Marks

4. Laboratory diagnosis of pulmonary tuberculosis
5. MRSA
6. Diseases caused by streptococci
7. Gas gangrene
8. Laboratory diagnosis of Corynebacterium diphtheriae
9. Clostridium difficile
10. Laboratory diagnosis of anthrax
11. Actinomycosis
12. Coagulase Negative Staphylococci
13. Atypical mycobacteria

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IV SEMESTER

PAPER – II (Systemic Bacteriology - II)

QP CODE: 9077

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X3 = 30 Marks

1. Classify Vibrio. Write about the morphology, pathogenesis and laboratory diagnosis of cholera
2. Define zoonosis and enumerate the bacteria causing zoonosis. Explain the laboratory diagnosis of brucellosis
3. Enumerate sexually transmitted diseases and describe the laboratory diagnosis of syphilis.

Short Essays:

5 X 10 = 50 Marks

4. Laboratory diagnosis of UTI
5. Bacillary dysentery
6. Detection of typhoid carrier
7. Role of Pseudomonas aeruginosa in hospital infections
8. Laboratory diagnosis of PUO
9. Laboratory diagnosis of plague
10. Satellitism
11. Typhus fever
12. EIEC
13. Hospital acquired infections.

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II SEMESTER

PAPER – II (Systemic Bacteriology - I)

QP CODE: 9272

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X3 = 30 Marks

1. Classify streptococci. Describe the pathogenicity and laboratory diagnosis of Streptococcus pyogenic (2+4+4)
2. Describe the cultural characteristics, pathogenicity and laboratory diagnosis of Corynebacterium diphtheria. (2+3+5)
3. Classify Mycobacteria. Discuss the pathogenesis and laboratory diagnosis of Pulmonary Tuberculosis. Add a note on Multidrug Resistant Tuberculosis. (2+3+3+2)

Short Essays:

5 X 10 = 50 Marks

4. Lesions produced by Staphylococcus aureus
5. Laboratory diagnosis of Gas gangrene
6. Atypical mycobacteria
7. Clostridium difficile
8. Coagulase Negative Staphylococci
9. Non gonococcal urethritis
10. Mycetoma
11. Pneumococcus
12. Laboratory diagnosis of Anthrax
13. Prophylaxis against tetanus