

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. Classify Mycobacteria. Discuss the pathogenesis and laboratory diagnosis of Pulmonary Tuberculosis. (2+3+5)

Short Essays:

5 X 10 = 50 Marks

4. MRSA
5. Diseases caused by streptococci
6. Gas gangrene
7. Laboratory diagnosis of Corynebacterium diphtheria
8. Laboratory diagnosis of anthrax
9. Coagulase Negative Staphylococci
10. Bacillus cereus
11. Mycetoma
12. Antibiotic associated diarrhea
13. Laboratory diagnosis of N.gonorrhoea

July, 20 23

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

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[Max.Marks:80]

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 Enterobacteriaceae. Give an account of pathogenesis and laboratory diagnosis of S.typhi. (3+3+4)
2. Classify vibrio. Write about the pathogenesis and laboratory diagnosis of cholera. (3+3+4)
3. Enumerate the organisms causing UTI. Describe the pathogenesis and laboratory diagnosis of E.coli. (2+4+4)

Short Essays:

5 X 10 = 50 Marks

4. Helicobacter pylori
5. Rat bite fever
6. Hospital acquired infections
7. NGU
8. Laboratory diagnosis of trachoma
9. Standard tests of syphilis
10. Laboratory diagnosis of leptospirosis
11. Satellitism
12. Shigellosis
13. Halophilic vibrios

July 2023

BLDE (DEEMED TO BE UNIVERSITY)
M.Sc. Allied Health Sciences (Clinical Immunology)

[Time:3 Hours]

[Max.Marks:80]

IV SEMESTER

PAPER -- I (Drug Discovery & Clinical Research)

QP CODE: 9126

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X3 = 30 Marks

1. Define Bioavailability. Describe the factors affecting bioavailability and its clinical significance.
2. Enumerate types of adrenergic receptor & their physiological functions. Describe physiological actions of Adrenaline.
3. Define Adverse Drug Reactions. Explain in brief different types of adverse drug reaction with suitable examples.

Short Essays:

5 X 10 = 50 Marks

4. Pre-anesthetic Medication.
5. Three Uses and Three Adverse Effects of Alpha Blockers.
6. Three Uses and Three Adverse Effects of Atropine.
7. Therapeutic Uses and Adverse effects of Propranolol.
8. First Pass Metabolism.
9. Enzyme Induction.
10. Post Marketing Surveillance.
11. Describe Various Sources of Drugs.
12. Principles of Bioethics in Medical Science.
13. Explain the rational of combining Adrenaline and Lignocaine for infiltration anesthesia.