

July-2022

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

[Time:3 Hours]

[Max.Marks:80]

III SEMESTER

PAPER – I (General Microbiology)

QP CODE: 9071

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

Long Questions

10 X 3 = 30 Marks

1. Define Sterilization & Disinfection. Enumerate methods of moist heat sterilization and explain any one of them.
2. Draw a neat, labelled diagram of bacterial cell and describe in brief bacteria capsule.
3. Explain conjugation and add a note on drug resistance in bacteria.

Short Essays:

5 X 10 = 50 Marks

4. Koch's postulates.
5. Acid Fast staining
6. Electron microscope
7. Filtration methods
8. Spore- diagram and types of bacterial spores.
9. Cell-wall of Gram negative bacteria.
10. Bacterial Growth curve.
11. OT Sterilization
12. Catalase and oxidase test
13. Classify Media. Explain Transport media

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III SEMESTER
PAPER – II (Immunology)
QP CODE: 9072

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

Long Questions

10 X 3 = 30 Marks

1. Enumerate the types of antigen-antibody reactions and describe the principle and applications of the Agglutination reaction
2. Define Infection, mention types of infection. Explain with examples, modes of transmission
3. Classify hypersensitivity reactions with examples. Describe type IV hypersensitivity *reaction.*

Short Essays:

5 X 10 = 50 Marks

4. IgA Antibody
5. Classical complement pathway
6. Active vs passive immunity
7. Types of immune response
8. Graft verses Host reaction
9. Acquired Immunity
10. Monoclonal antibodies
11. Primary immunodeficiency disorders
12. PCR
13. Difference between Exotoxin and Endotoxin