

BLDE UNIVERSITY
POST GRADUATE DEGREE EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

MD MICROBIOLOGY – PAPER - I
QP CODE : 5017

Your answer should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
Each answer should be written on new page only.
Write Question No. in left side of margin.

LONG ESSAY

(2 X 20 = 40 Marks)

1. Enumerate the bacterial virulence factors. Describe their role in pathogenesis. (5 + 15)
2. Classify hypersensitivity reactions and describe the delayed type hypersensitivity with their clinical significance. (5 + 10 + 5)

SHORT ESSAY

(6X10 = 60 Marks)

3. Tests for monitoring efficacy of Disinfectants
4. Resistance transfer factor (RTF)
5. Determinants of antigenicity
6. HLA complex (Human leucocyte antigen complex)
7. Immunological tolerance
8. Biosafety cabinet

BLDE UNIVERSITY
POST GRADUATE DEGREE EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

MD MICROBIOLOGY – PAPER - II

QP CODE : 5018

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

LONG ESSAY

(2x20=40 Marks)

1. Describe the pathogenesis and laboratory diagnosis of tetanus. Add a note on prophylaxis against tetanus. (5 + 10 + 5)
2. List the bacteria causing diarrhea. Write about pathogenesis, laboratory diagnosis and prophylaxis of cholera. (3 + 4 + 10 + 3)

SHORT ESSAY

(6X10 = 60 Marks)

3. Laboratory diagnosis of meningococcal meningitis
4. Specific treponema pallidum tests
5. BCG vaccine
6. Q fever
7. Nonsuppurative post streptococcal sequelae
8. Widal test

BLDE UNIVERSITY
POST GRADUATE DEGREE EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

MD MICROBIOLOGY – PAPER - III

QP CODE : 5019

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

LONG ESSAY

(2x20=40 Marks)

1. Name subcutaneous mycoses. Write about etiology, clinical features and laboratory diagnosis of Mycetoma. (5 + 5 + 10)
2. Describe the pathogenesis, laboratory diagnosis and prophylaxis of poliomyelitis. (5 + 10 + 5)

SHORT ESSAY

(6X10=60 Marks)

3. Chromoblastomycosis
4. Hepatitis B vaccines
5. Ebola virus
6. Mucormycosis
7. Cytomegalovirus
8. KFD (Kysanur forest disease)

BLDE UNIVERSITY
POST GRADUATE DEGREE EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

MD MICROBIOLOGY – PAPER - IV

QP CODE : 5020

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

LONG ESSAY

(2x20=40 Marks)

1. Give an account of parasites infecting the central nervous system, diseases caused and their laboratory diagnosis.
2. Discuss the life cycle and Pathogenesis of *P.falciparum*. Add a note on conventional and recent developments in the laboratory diagnosis of malaria.

SHORT ESSAY

(6x10=60 Marks)

3. Write a note on lab diagnosis of *leishmania donovani*
4. *Strongyloides stercoralis*.
5. Parasitic infections of the eye.
6. Describe the Immunopathogenesis and cultivation methods of *Giardia lamblia*.
7. *Balantidium coli*.
8. Describe the pathogenesis and lab diagnosis of *wuchereria bancrofti*