FEBRUARY 2006

[KO 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III — MICROBIOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Essay questions : (2 × 15 = 30)

1. Define sterilization and Disinfection. Mention different sterilization techniques commonly used in your laboratory. Explain briefly methods of Moist heat sterilization. (2 + 2 + 3 + 8 = 15)

2. Discuss the morphology, pathogenesis, and Laboratory investigations of Entamoeba histolytica. Add a note on Amoebic Liver Abscess.

(2 + 4 + 4 + 5 = 15)

II. Write short notes on : (10 × 5 = 50)

1. Culture media.
2. Active Immunity.
3. Hook worms.
4. Tetanus prophylaxis.
5. Bacteriophage.
6. Immunoglobulin – A
7. Malarial parasites.
8. Hepatitis B Vaccines.
9. Moniliasis.
10. Mutation.

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AUGUST 2006

[KP 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III — MICROBIOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Draw diagrams wherever necessary.

I. Long Essay :

1. (a) Laboratory diagnosis and prophylaxis of Typhoid fever. (8)

(b) Laboratory diagnosis of viral diseases. (5)

(c) Types of immunity and brief on acquired immunity. (7)

2. Staphylococcal and streptococcal diseases and its laboratory diagnosis. (15)

3. (a) Classification of hypersensitivity reactions.

(b) Anaphylaxis

(c) Name the water, milk and air borne diseases. (5 + 5 + 5 = 15)

II. Short notes on : (6 × 5 = 30)

1. Define sterilisation and disinfection? Write on classification of Agents used in sterilization.

2. Classification of infection. Sources and methods of transmission of infection.

3. Factors influencing antibody production.

4. Features of autoimmune diseases. Add a note on rheumatoid arthritis.

5. Normal microbial flora of the human body.

6. Main types of clinical syndromes of Escherichia coli and add a note on Urinary Tract Infection and Diarrhoea.

FEBRUARY 2007

[KQ 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III — MICROBIOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Long Essay :

1. Classify Mycobacteria. Explain in detail the morphology cultural characteristics, pathogenesis and lab diagnosis of mycobacterium tuberculosis. (20)

2. Explain the morphology, pathogenesis and lab diagnosis of Amoebic dysentery. (Entamoeba histolytica). (15)

3. Enumerate the virus causing hepatitis. Explain the morphology, pathogenesis and lab diagnosis of Hepatitis B Virus. (15)

II. Short Notes : (6 × 5 = 30)

1. Urinary tract infections.

2. Dermatophytoses.

3. Infection.

4. Acquired immunity.

5. Ascariasis.

6. Bacteriophage.

AUGUST 2007

[KR 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III — MICROBIOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Essay question :

1. Classify Streptococci. Discuss the morphology, pathogenesis and Lab diagnosis of streptococcus pyogenes. Add a note on post streptococcal complications. (15)

2. Describe briefly the Morphology, Pathogenesis of Rabies Virus. Add a note on Anti Rabies Vaccines. (15)

II. Short Essay : (10 × 5 = 50)

1. Hot air oven.

2. Active Immunity.

3. Immunoglobulins.

4. Infectious hepatitis

5. Candidiasis.

6. Louis Pasteur.

7. Bacterial spore.

8. Malarial parasites.

9. Amoebie Liver Abscess.

10. Differential staining.

FEBRUARY 2008

[KS 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III — MICROBIOLOGY — I

Q.P. Code : 821511

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Long Essay : (2 × 15 = 30)

1. Explain with neat sketches, the anatomy of a bacterial cell.

2. Explain malaria under the following topics.

(a) Etiological agents (2)

(b) Life cycle of malarial parasites (5)

(c) Pathology (4)

(d) Laboratory diagnosis (2)

(e) Treatment. (2)

II. Short Notes. (10 × 5 = 50)

1. Bacterial conjugational drug resistance.

2. Humoral Immune response.

3. Endotoxins and Exotoxins of bacteria.

4. Antigenic and virulence factors of Bordetella pertussis.

5. Laboratory diagnosis of viral disease.

6. Lepromatous leprosy.

7. Dry heat method of sterilisation.

8. Urinary tract infections.

9. Oral polio vaccine and pulse polio.

10. Gonococcus.

August 2008

[KT 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III — MICROBIOLOGY — I

Q.P. Code : 821511

Time : Three hours Maximum : 100 marks

I. Long Essay : (2 × 15 = 30)

1. Write the morphology and cultural characteristics, pathogenicity and antigens of pneumococci.

2. Classification of Hypersensitivity reactions.

II. Short notes : (10 × 5 = 50)

1. Autoclave.

2. Types of culture medias.

3. Ascaris lumbricoides.

4. Passive Immunity.

5. IGA (IgA)

6. Enzyme Immuno Assays (EIA).

7. Streptococus.

8. Clostriduim.

9. Rhabdovirus.

10. Hook worm.

III. Write short answers : (10 × 2 = 20)

1. Define sterilization.

2. Source of infection.

3. Types of immunity.

4. Theories of immune response.

5. Define hypersensitivity.

6. Staphylococcal diseases.

7. Diagnosis of gonorrhoea.

8. Types of salmanella.

9. Test of syphillis.

10. Milk borne diseases.

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[KU 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III — MICROBIOLOGY – I

Q.P. Code : 821511

Time : Three hours Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Write detail about the Streptococci and its classification?

2. HIV – Its pathogenesis, Structure and Prevention.

II. Short Notes : (10 × 5 = 50)

1. Mycoses.
2. IGM.
3. Candidiasis.
4. Gonococus.
5. Vibrio cholerae.
6. Poliomyclitis.
7. Hepatitis B Virus.
8. Nosocomial Infection.
9. Bacterio phage.
10. Malarial parasites.

III. Short Answers : (10 × 2 = 20)

1. Causes for Amoebiasis.
2. Clinical features of Ascariasis.
3. Tuberculin Test.
4. Difference between Exotoxin and Endotoxin.
5. Immuno deficiency diseases.
6. DPT.
7. Anaphylaxis.
8. Hide Porter's disease.
9. What is primary complex?
10. Write about Herpes Simplex.

August - 2009

[KV 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III — MICROBIOLOGY

Q.P. Code : 821511

Time : Three hours Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Define sterilization and disinfection. Mention different sterilization techniques commonly used in laboratory, brief about the methods of moist heat sterilization.

2. Enumerate the virus causing hepatitis. Explain the morphology, pathogenesis and lab diagnosis of hepatitis B virus.

II. Short notes : (10 × 5 = 50)

1. Bacterial spore.

2. Lepromatous leprosy.

3. Culture media.

4. Pin worm.

5. Respiratory tract infection.

6. Immunoglobin – G.

7. Antigen.

8. Amoebic dysentry.

9. Clostriduim tetani.

10. Staphylococus.

III. Short Answers : (10 × 2 = 20)

1. Polymerase chain reaction.

2. Dick test.

3. Agglutination reaction.

4. Wiskott-Aldrich syndrome.

5. Constituents of mac Conkey's medium.

6. Route of infection for Brucelloses.

7. Food poisoning.

8. Mycoses.

9. Stool examination for Enterobius vermicularis.

10. Define nosocomial infection.

February 2010

[KW 1511] **Sub. Code: 1511**

B.N.Y.S DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III – MICROBIOLOGY

Q.P. Code : 821511

Time : Three hours **Maximum : 100 marks**

I. Long Essay: **(2 x 15 = 30)**

1. Morphology, Life Cycle, Pathogenesis and clinical features of Entamoeba Hisotlitica.
2. Define Immunity. Add briefly about immune system. Antigen-antibody reaction and hyper sensitivity.

II. Short Notes: **(10 x 5 = 50)**

1. Differences between gram positive and gram negative Bacteria.
2. Cultivation of Bacteria.
3. Mutation.
4. Vaccines of Polio.
5. Note on Chicken Pox.
6. Types of infection.
7. ELISA – For 'HIV' antibody in serum.
8. Candidiasis.
9. Basic principles of auto immunity.
10. Bacterio phage.

III. Short Answers: **(10 x 2 = 20)**

1. Define pathogenecity.
2. Define transformation.
3. What is the name of the cocci arranged in clusters?
4. What is epitome?
5. Define Ghon's complex.
6. Name two diseases in Type V hypersensivity.
7. 'Pruritis ani' occurs in which helmintic infection?
8. What is the causative organism for whooping cough?
9. Widal Test is the diagnostic test for what disease?
10. Who is the father of Medical Microbiology?

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August 2010

[KX 1511] **Sub. Code: 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper III – MICROBIOLOGY

Q.P. Code : 821511

Time : Three hours **Maximum : 100 marks**

Draw neat diagram wherever necessary.
Answer ALL questions.

I. Essay Questions: **(2 x 15 = 30)**

1. Classify Fungi of medical importance. Discuss the Morphology; cultural characteristics; Pathogenesis and Lab diagnosis of Dermatophyte infections.
2. Enumerate the organisms causing viral hepatitis. Describe briefly the Morphology, Pathogenesis and Lab diagnosis of HBV.

II. Short Notes: **(10 x 5 = 50)**

1. Bacterial spore.
2. Urinary tract infections.
3. Cultivation of virus.
4. Dry heat methods of sterlisation.
5. Lepromatous Leprosy.
6. Bacterial Growth Curve.
7. Infection.
8. The Complement System.
9. Mycobacterium tuberculosis.
10. Staphylococcus.

III. Short Answers: **(10 x 2 = 20)**

1. Gonococcus.
2. Herpes simplex virus.
3. Ascariasis.
4. Normal bacterial flora of human body.
5. AIDS.
6. Immunoglobulin.
7. Onychomycosis.
8. Athletes Foot.
9. Widal Test.
10. Whooping Cough.

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February 2011

[KY 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Part I

Paper III — MICROBIOLOGY

Q.P. Code : 821511

Time : Three hours Maximum : 100 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

1. Explain in detail about the structure of immunoglobulins. Write a note on Immunoglobulin classes.

2. Write the morphology, life cycle and pathogenesis of Wuchereria bancrofti.

II. Short notes : (10 × 5 = 50)

1. Moniliasis.

2. Autoclave.

3. Distinguish Exotoxins and Endotoxins.

4. Leprosy.

5. Life Cycle of Bacteriophage.

6. Varicella-zooster.

7. Enterobius vermicularis.

8. Features of an ideal Disinfectant.

9. Classical pathway of complement.

10. Koch's Postulates.

III. Short Answers : (10 × 2 = 20)

1. Koplik's spot.

2. Define Sterilisation.

3. Types of Immunity.

4. Toxic Shock Syndrome.

5. Antigens of Salmonella.

6. Viral multiplication phases.

7. Milk borne diseases.

8. Koch phenomenon.

9. Peripheral lymphoid organs.

10. Types of Microscope.

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August 2011

[KZ 1511] **Sub. Code : 1511**

B.N.Y.S. DEGREE EXAMINATION.

Second Year

Paper III — MICROBIOLOGY

Q.P. Code : 821511

Time : Three hours **Maximum : 100 marks**

Answer ALL questions.

I. Essay : **(2 × 15 = 30)**

1. Immunity and its types.

2. Pathogenesis, clinical features and treatment of Streptococcal infection.

II. Short notes : **(10 × 5 = 50)**

1. Bacterial growth curve.
2. Life cycle of Entamoeba histolytica.
3. Malaria.
4. Anthrax.
5. Lepromin test.
6. Complement fixation test.
7. Difference between prokaryotes and eukaryotes.
8. Plague.
9. Poliomyelities.
10. Histoplasmosis.

III. Short Answers : **(10 × 2 = 20)**

1. Define antigen.
2. Name some of the Gram negative bacterias.
3. Bull neck syndrome.
4. Blue pus.
5. Athelete's foot.
6. Complications of mumps.
7. Thermal death time.
8. Enumerate the organisms that cause dysentery.
9. Bacteriophage.
10. Killed vaccine.

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February 2012

[LA 1511] **Sub. Code: 1511**

B.N.Y.S. DEGREE EXAMINATION.
Second Year
Paper III- MICROBIOLOGY
***Q.P. Code*: 821511**

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Elaborate on: **(2X15=30)**

1. Draw the structure of HIV and explain in detail about the pathogenesis, laboratory diagnosis and prevention of HIV infections.
2. Describe the stool and blood examination of parasites in detail.

II. Write notes on: **(10x5=50)**

1. Philaria
2. Candidiasis
3. Polio
4. MMR
5. Microscope
6. Swine flu
7. Botulism
8. Primary complex
9. Autoclave
10. Antibody production

III. Short Answers **(10x2=20)**

1. Blue pus
2. SARS
3. Toxic shock syndrome
4. Enterobicus
5. Pox virus
6. Bacteriology of Air
7. Mid ear infection
8. Hemophilus
9. Systemic mycoses
10. Chlamydia

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[LB 1511] **Sub. Code: 1511**

SECOND YEAR B.N.Y.S. DEGREE EXAM – AUGUST 2012

Paper – III MICROBIOLOGY

***Q.P. Code*: 821511**

Time: 180 Minutes **Maximum: 100 marks**

Answer ALL questions

I. **Elaborate on:**	**Pages (Max.)**	**Time (Max.)**	**Marks (Max.)**
1. Write the morphology, lifecycle and pathogenesis of meningococcus.	16	25	15
2. Describe sterilization and disinfection in detail.	16	25	15
II. **Short notes on:**			
1.Hypersensitivity.	3	8	5
2.Immunoglobulins.	3	8	5
3.Gonococcus.	3	8	5
4.UTI.	3	8	5
5.VDRL Test.	3	8	5
6.Anaphylaxis.	3	8	5
7.Vibrio cholerae.	3	8	5
8.DPT.	3	8	5
9.Milk borne diseases.	3	8	5
10. Hepatitis A virus.	3	8	5
III. Short Answers on:			
1. Nosocomial Infections.	1	5	2
2. Leprosy.	1	5	2
3. Clinical features of Ascariasis.	1	5	2
4. Causes of Amoebiasis.	1	5	2
5. Mutation.	1	5	2
6. Hook worm.	1	5	2
7. Louis Pasteur.	1	5	2
8. Active Immunity.	1	5	2
9. Anopheles.	1	5	2
10. Normal bacterial flora of human body.	1	5	2

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[LC 1511] **SUB. CODE. 1511**

SECOND B.N.Y.S DEGREE EXAM - FEBRUARY 2013

PAPER – III-MICROBIOLOGY

Q.P. CODE : 821511

Time: 3 hours **Maximum: 100 Marks**

ANSWER ALL QUESTIONS

I.Essay Questions: **(2x15=30)**

1. Classify Micobacteria. Explain in detail the pathogenesis and treatment for Leprosy.
2. Life cycle of Wuchereria Bancrofti.

II.Short Notes: **(10x5=50)**

1. Polio Virus.
2. Rabies
3. Bacteriophage
4. Hepatitis 'B' Virus
5. Sterilization
6. Hypersensitivity
7. Anaphylaxis
8. Immuno Deficiency Diseases
9. Culture Media
10. Moniliasis

III.Short Answers: **(10x2=20)**

1. Loeffler's Syndrome
2. Wool sorter's disease
3. Food Poisoning
4. Gonococcal Opthalmia
5. Luis Pasteur
6. VDRL Test
7. Blue Pus
8. Tape Worm
9. Toxic Shock Syndrome
10. Mutation

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[LD 1511] **SUB. CODE. 1511**

SECOND B.N.Y.S DEGREE EXAM - AUGUST 2013

PAPER – III MICROBIOLOGY

Q.P. CODE : 821511

Time: Three hours **Maximum: 100 Marks**

ANSWER ALL QUESTIONS

I.Essay Questions: **(2x15=30)**

1. Pathogenesis of Rabies
2. Explain pathogenesis and prevention of Enteric fever

II.Short Notes: **(10x5=50)**

1. Sterilization
2. Immunoglobulins
3. Factor's influencing antibody production
4. Koch's phenomenon
5. Anaphylaxis
6. Moniliasis
7. Ascariasis
8. Hepatitis'A' virus
9. Cholera
10. Tetanus

III.Short Answers: **(10x2=20)**

1. Hook worm
2. Infection
3. Bacteriophage
4. Louis Pasteur
5. Nosocomial Infections
6. Widal Test
7. Blue Pus
8. Complex Media
9. Gonococcal opthalmia
10. Pin Worm

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[LE 1511] **FEBRUARY 2014** **Sub.Code :1511**

SECOND YEAR B.N.Y.S. DEGREE EXAM

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three hours **Maximum : 100 Marks**

Answer All questions

I. Essays Questions: **(2X15=30)**

1. Explain pathogenesis and prevention of Cholera
2. Pathogenesis and prevention of Hepatitis 'A'

II. Short Notes: **(5X10=50)**

1. Toxic Shock syndrome
2. Aspergillosis
3. Syphilis
4. Culture media
5. Botulism
6. Immunity
7. Chicken Pox
8. Wuchereria Bancrofti
9. Hypersensitivity
10. Gonococcus

III. Short Answers: **(2X10=20)**

1. Round worm
2. VDRL test
3. Infection
4. Water Can perineum
5. Loffler's Syndrome
6. Blue Pus
7. Bubonic Plague
8. Urinary Tract infections
9. Primary complex
10. Bacteriophage

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[LF 1511] **AUGUST 2014** **Sub.Code :1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Write about E-coli and its clinical manifestations in detail.
2. Explain Rabies.

II. Short Notes: **(10 x 5 = 50)**

1. Immunization schedule.
2. Moniliasis.
3. Hospital infections.
4. Gas gangerene.
5. Leptospirosis.
6. Difference between amoebic and bacillary dysentery.
7. Ascariasis.
8. Hansen' s disease.
9. Bacteriophage.
10. Lympho granuloma venereum.

III. Short Answers: **(10 x 2 = 20)**

1. Significance of Widal test.
2. Name the commonest medias used to culture fungi.
3. Enumerate the organisms causing sore throat.
4. What is Latent syphilis?
5. Uses of Incinerator.
6. Koplik spot.
7. Define Croup.
8. Loefflers syndrome.
9. What is called Triple vaccine?
10. Black water fever.

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[LG 1511] **FEBRUARY 2015** **Sub.Code :1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essays Questions: **(2 x 15 = 30)**

1. Define and classify Hypersensitivity. Describe Anaphylaxis in detail.
2. Explain the pathogenesis of tuberculosis. Add a note on treatment.

II. Write Notes on: **(5 x 10 = 50)**

1. Food poisoning.
2. Rabies.
3. Bacteriophage.
4. Leprosy.
5. Moniliasis.
6. Tapeworm.
7. Immunoglobulins.
8. Autoclave.
9. Hepatitis B.
10. Anthrax.

III. Short Answers on: **(2 x 10 = 20)**

1. Pin worm.
2. Types of immunity.
3. Louis Pasteur.
4. Herpes simplex.
5. DPT.
6. Causes of Amoebiasis.
7. Complex Medium.
8. Nosocomial infections.
9. Widal test.
10. Microscope.

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[LH 1511] **AUGUST 2015** **Sub. Code: 1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code: 821511

Time : Three Hours **Maximum : 100 marks**

Answer ALL questions

I. Essay Questions: **(2 x 15 = 30)**

1. Define and classify Hepatitis. Explain in detail about Hepatitis B.
2. Write in detail Streptococcal toxins and its clinical manifestations.

II. Write notes on: **(10 x 5 = 50)**

1. Culture Medias.
2. Bio medical waste management.
3. Lifecycle of Ankylostoma duodenale.
4. Superficial mycosis.
5. Anthrax.
6. Filariasis and its complications.
7. Primary complex.
8. Measles.
9. Chemical disinfectants.
10. Difference between Tuberculoid and Lepromatous leprosy.

III. Short answers on: **(10 x 2 = 20)**

1. Ludwig angina.
2. Bull neck syndrome.
3. Aspergillosis.
4. Killed vaccine.
5. Brucellosis.
6. Nocturnal Enuresis.
7. Madura foot.
8. Hydrophobia.
9. Wound Botulism.
10. Break bone fever.

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[LI 1511] APRIL 2016 **Sub.Code :1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Explain in detail about the general characters and methods used for study and diagnosis of fungal infections.
2. Write the general properties of virus and their diagnosis.

II. Write Notes on: **(10 x 5 = 50)**

1. Write about Aspergillosis.
2. Pulmonary Anthrax.
3. Factor's influencing antibody production.
4. Corynebacterium Diphtheria.
5. Define Sterilization and Disinfection.
6. Active immunity.
7. Enteric fever.
8. Polio virus.
9. Bacteriophage.
10. Bacillary Dysentery.

III. Short Answers on: **(10 x 2 = 20)**

1. Oral Polio Vaccine.
2. Microfilaria.
3. Leptospirosis.
4. Name Two Bacteria that Cause Food Poisoning.
5. Prophylaxis of Rabies.
6. Name Two Bacterial Zoonotic Infections.
7. Urinary tract infections.
8. VDRL test.
9. Name two Deworming drugs.
10. Rhinosporidiosis.

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[LJ 1511] **AUGUST 2016** **Sub. Code : 1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code: 821511

Time : Three hours **Maximum: 100 Marks**

Answer **ALL** questions.

I. Essay Questions: **(2 x 15 = 30)**

1. Explain herpes. Explain in detail about herpes zoster.
2. Pathogenesis and prevention of cholera.

II. Write Notes on: **(10 x 5 = 50)**

1. Write a note on Bubonic plague.
2. Effects of Food poisoning.
3. Causes of Poliomyelitis.
4. Explain the method of Autoclaving.
5. Discuss the Laboratory Diagnosis of Syphilis.
6. Life cycle of Roundworm.
7. Factor's influencing antibody production.
8. Primary complex.
9. Normal Microbial Flora of the Human Body.
10. Acquired immunity.

III. Short Answers on: **(10 x 2 = 20)**

1. Water – borne diseases.
2. Urinary tract infections.
3. Triple vaccine.
4. Koplik's spots.
5. Gonococcal ophthalmia.
6. Define infection.
7. Systemic mycoses.
8. Name two blood borne viruses.
9. Enterobius vermicularis.
10. Treatment for Leprosy.

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[LJ 1511] OCTOBER 2016 **Sub.Code :1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Write about Enteric Fever, its pathological manifestations and lab procedure, laboratory diagnosis and treatments in detail.
2. Explain the life cycle of Ascaris Lumbricoides in detail.

II. Write Notes on: **(10 x 5 = 50)**

1. Write about prophylactic measures in tetanus.
2. Make note on Whooping cough.
3. Write about Leprosy and types.
4. Measles.
5. Write about culture methods and explain any 3.
6. Write notes on Biomedical waste management.
7. Modes of transmission of disease.
8. Life cycle of pin worm.
9. Gas gangrene.
10. Hepatitis A.

III. Short Answers on: **(10 x 2 = 20)**

1. What is sterilization?
2. Define anaphylaxis.
3. Write about transmission of Hepatitis B.
4. What are the prophylactic measures in Tuberculosis?
5. Define Koplik’s spots?
6. Hydrophobia.
7. Difference between Exotoxins and Endotoxins.
8. Auto Immunity.
9. Aspergillosis.
10. Latent infection.

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[LK 1511] MAY 2017 **Sub.Code :1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Explain in detail about the life cycle of Wuchereria Bancrofti and its clinical manifestation.
2. Explain about E.Coli and its pathological conditions in detail with laboratory diagnosis.

II. Write Notes on: **(10 x 5 = 50)**

1. Write about amoebiasis and its treatment.
2. Make notes on lymphogranuloma venereum.
3. Explain staphylococcal toxins.
4. Write about Mumps and its complications.
5. Aspergillosis.
6. Short notes on Herpes simplex.
7. Draw and explain the bacterial growth curve.
8. Write about the sexually transmitted Gonorrhea.
9. Write about culture media and types and make notes about transport media with example.
10. Write in detail about Stool examination.

III. Short Answers on: **(10 x 2 = 20)**

1. Malignant pustule.
2. VDRL test.
3. Louis Pasteur.
4. Write importance of gram staining procedure.
5. Bubonic plague.
6. Name the bacterias that cause dysentery.
7. Creeping eruption.
8. DEC provocation test.
9. Athlete’s foot.
10. Plasmids.

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[LL 1511] AUGUST 2017 **Sub.Code :1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Explain in detail about vibrio cholerae and its clinical manifestations.
2. Explain about HIV, its pathogenesis, clinical manifestations and management.

II. Write Notes on: **(10 x 5 = 50)**

1. Leptospirosis.
2. Madura foot.
3. Pneumonia.
4. Pathogenesis of Koch's disease.
5. Superficial mycosis.
6. Life cycle of ancylostoma duodenale.
7. Write about active immunity and its role in disease.
8. Write about physical sterilization.
9. Distinguish between chicken pox and small pox.
10. Write about bacteriophage with life cycle.

III. Short Answers on: **(10 x 2 = 20)**

1. Types of Immunity.
2. Prophylactic measures in worm infestations.
3. Write about selective media with example.
4. Widal test.
5. Micro - organism causing Meningitis.
6. Enumerate the bacterias that causes sore throat.
7. Define live vaccine with example.
8. Define poliomyelitis.
9. Black water fever.
10. What is undulant fever?

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[LL 1511] OCTOBER 2017 **Sub. Code: 1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Explain pathogenesis and prevention of Enteric fever.
2. Write in detail about the bacterial Anatomy with suitable diagram

II. Write Notes on: **(10 x 5 = 50)**

1. Bacterial growth.
2. Compliment pathways.
3. Morphology and pathogenesis of Bacillus anthrax.
4. Botulism.
5. Chicken Pox.
6. Immuno deficiency diseases.
7. Bacteriology of Air, water.
8. Brucellosis.
9. Meningitis.
10. Measles.

III. Short Answers on: **(10 x 2 = 20)**

1. Live Vaccine.
2. Swine flu.
3. Bacillary dysentery.
4. Pyogenic infection.
5. Tissue culture.
6. Prophage.
7. Prevention of HIV infection.
8. Darlings disease.
9. Dimorphic fungi.
10. Tetanolysin.

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[LM 1511] MAY 2018 **Sub. Code: 1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Classify the streptococcus bacteria. Write detail about morphology, Pathogenesis, Laboratory diagnosis and prevention.
2. Antigen – Antibody reaction. Discuss detail agglutination reaction and their application.

II. Write Notes on: **(10 x 5 = 50)**

1. Viral multiplication.
2. Urinary tract infection.
3. Infection of ear, Eye.
4. Primary complex.
5. Auto clave.
6. Leptospirosis.
7. Tape worms.
8. Giardiasis.
9. Joseph Lister, Louis Pasteur.
10. Differential media.

III. Short Answers on: **(10 x 2 = 20)**

1. Hook worm.
2. Bacteriophage.
3. Widal test.
4. Water can perineum.
5. Herpes simplex.
6. Chalamydia.
7. Scarlet fever.
8. Microscope.
9. SARS.
10. Hemophilus.

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[LN 1511] OCTOBER 2018 **Sub. Code: 1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Write in detail about bacteriology of water and air.

2. Explain the morphology, pathogenesis and lab diagnosis of Entamoeba histolytica.

II. Write Notes on: **(10 x 5 = 50)**

1. Moist heat sterilization.
2. Infection.
3. Brucellosis.
4. Enterobius vermicularis.
5. Polio virus.
6. Systemic mycoses.
7. Small Pox.
8. Normal bacterial flora of human body.
9. Bacterial growth.
10. Nosocomial infection.

III. Short Answers on: **(10 x 2 = 20)**

1. Robert Koch.
2. Define Hypersensitivity.
3. Yaws.
4. Croup.
5. Chemical properties of virus.
6. Adenovirus.
7. Piedra.
8. Filariasis.
9. Phycomycetes.
10. Cysticercus bovis.

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[LO 1511] MAY 2019 **Sub. Code: 1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Define and classify Hypersensitivity. Describe in detail about Anaphylaxis.

2. General properties of Virus and its diagnosis and add a note on prevention of HIV infection.

II. Write Notes on: **(10 x 5 = 50)**

1. Koch's Phenomenon.
2. Syphilis.
3. Wuchereria bancrofti.
4. Toxic shock syndrome.
5. Normal bacterial flora of Human body.
6. Petroff's method.
7. Autoimmunity.
8. Polio virus.
9. Antibody production.
10. Rhinosporidiosis.

III. Short Answers on: **(10 x 2 = 20)**

1. Pox virus.
2. Mid ear infection.
3. Laryngo epiglottis.
4. Complex media.
5. Pin worm.
6. Disinfections.
7. Bubonic plague.
8. VDRL Test.
9. Types of immunity.
10. Systemic mycoses.

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[LP 1511] OCTOBER 2019 **Sub. Code: 1511**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER III – MICROBIOLOGY

Q.P. Code : 821511

Time: Three Hours **Maximum : 100 Marks**

Answer All questions

I. Essay Questions: **(2 x 15 = 30)**

1. Write in detail about Herpes Virus.

2. Write in detail Straphylococcus toxins and its clinical manifestation.

II. Write Notes on: **(10 x 5 = 50)**

1. Disinfections.
2. Bacterial conjugation.
3. Immuno deficiency disease.
4. Rickettsia Bacteria.
5. Taenia Saginata.
6. Mycetoma.
7. Hook Worm.
8. Meningococcus.
9. Respiratory infection.
10. Cultivation of bacteria.

III. Short Answers on: **(10 x 2 = 20)**

1. Bubonic Plague.
2. Bacteriophage.
3. Variola virus.
4. Tuberculoid Leprosy.
5. Endemic Syphilis.
6. Tape Worms.
7. Complement fixation test.
8. Culture Media.
9. Moniliasis.
10. Eye infection.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 0321] **MARCH 2021** **Sub. Code: 1511**

(MAY 2020 & AUGUST 2020 SESSION)
B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
PAPER III – MICROBIOLOGY
Q.P. Code : 821511

Time: Three Hours **Answer ALL questions** **Maximum : 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Pathogenesis of Rabies. Add a note on Anti Rabies Vaccines.

2. Life cycle of Entamoeba hystolytica.

II. Write Notes on: **(10 x 5 = 50)**

1. Passive immunity.
2. Koch's disease.
3. Laboratory diagnosis and treatment for Tuberculosis.
4. Brucellosis.
5. Polio virus.
6. Hepatitis B virus.
7. Culture Medias.
8. Normal Flora of human body.
9. Auto immune diseases.
10. Aspergillosis.

III. Short Answers on: **(10 x 2 = 20)**

1. Water can perineum.
2. Hydrophobia.
3. Name two zoonotic diseases caused by bacteria.
4. Koplic spots.
5. Round worm.
6. Creeping eruption.
7. Immuno deficiency diseases.
8. Nosocomial infection.
9. Primary complex.
10. Poliomyelitis.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 0322] **MARCH 2022** **Sub. Code: 1511**

(FEBRUARY 2021 & MAY 2021 SESSIONS)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER III – MICROBIOLOGY
Q.P. Code : 821511

Time: Three Hours **Answer ALL questions** **Maximum : 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Write a note on basic principles of Auto immunity and about anaphylaxis.

2. Pathogeneses and prevention of Typhoid fever.

II. Write Notes on: **(10 x 5 = 50)**

1. Streptococcus.
2. Clostridium.
3. Herpes virus.
4. Hepatitis A virus.
5. Bordetella pertusis.
6. Candidiasis.
7. Complement fixation test.
8. Plague.
9. Botulism.
10. Corona Virus – Symptoms in detail.

III. Short Answers on: **(10 x 2 = 20)**

1. Chancre.
2. Blue Pus.
3. Milk borne diseases.
4. Black water fever.
5. Hook worm.
6. Urinary tract infections.
7. Lepromatous Leprosy.
8. Differential staining.
9. Dermatophytoses.
10. Bacteriophage.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 0522] **MAY 2022** **Sub. Code: 1511**

(AUGUST 2021 & OCTOBER 2021 SESSIONS)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER III – MICROBIOLOGY
Q.P. Code : 821511

Time: Three Hours **Answer ALL questions** **Maximum : 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Pathogenesos and Prevention of Cholera.

2. Life cycle of Wuchereria Banerafti and its clinical manifestations.

II. Write Notes on: **(10 x 5 = 50)**

1. Histoplasmosis.
2. Gas gangrene.
3. Toxic shock syndrome.
4. Hanson's disease.
5. Active immunity.
6. Koch postulates.
7. Hot air oven.
8. Infectious Hepatitis.
9. Normal flora.
10. Tetanus Prophylaxis.

III. Short Answers on: **(10 x 2 = 20)**

1. Ascariasis.
2. Malarial parasites.
3. Moniliasis.
4. Anti Rabies vaccines.
5. Tissue culture.
6. Break bone fever.
7. Swine flu.
8. Plasmids.
9. Pin worm.
10. Killed vaccine.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 1022] OCTOBER 2022 Sub. Code: 1511
(FEBRUARY 2022 & MAY 2022 EXAM SESSIONS)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER III – MICROBIOLOGY
Q.P. Code : 821511

Time: Three Hours **Answer ALL questions** **Maximum : 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Write in detail about Pathogenesis, clinical features and treatment of Streptococcal infection.

2. Explain about Pathogenesis of Rabies. Add a note on Rabies vaccines.

II. Write Notes on: **(10 x 5 = 50)**

1. Malarial parasites.
2. Mumps virus.
3. Tetanus prophylaxis.
4. Primary complex.
5. Aspergillosis.
6. Gas gangrene.
7. Dry heat methods of sterilisation.
8. Swine flu.
9. Koch’s phenomenon.
10. Hepatitis B virus.

III. Short Answers on: **(10 x 2 = 20)**

1. Tape worm.
2. Widal test.
3. Milk borne diseases.
4. Killed vaccine.
5. Define Croup.
6. Latent syphilis.
7. Tissue culture.
8. Triple vaccine.
9. Nosocomial infections.
10. Athlet’s foot.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 0323] MARCH 2023 Sub. Code: 1511
(AUGUST 2022 & OCTOBER 2022 EXAM SESSIONS)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER III – MICROBIOLOGY

Q.P. Code: 821511

Time: Three Hours **Answer ALL questions** **Maximum : 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Pathogenesis of Tuberculosis. Add a note on its treatment.

2. Write in detail about Adenovirus with diagram.

II. Write Notes on: **(10 x 5 = 50)**

1. Active Immunity.
2. Enteric fever.
3. Tetanus prophylaxis.
4. Mycetoma.
5. Oral polio vaccine and pulse polio.
6. Types of culture Medias.
7. Rabdovirus.
8. Hepatitis A virus.
9. Hansen’s disease.
10. Autoclave.

III. Short Answers on: **(10 x 2 = 20)**

1. Hook worm.
2. Bacteriophage.
3. Immunodeficiency diseases.
4. Define hypersentivity.
5. Koplik’s spots.
6. Chemical disinfectants.
7. Auto Immunity.
8. Hide porter’s disease.
9. VDRL test.
10. Whooping cough.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 0923] **SEPTEMBER 2023** **Sub. Code: 1511**
(MAY 2023 EXAM SESSION)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER III – MICROBIOLOGY

Q.P. Code: 821511

Time: Three Hours **Answer ALL questions** **Maximum : 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Draw and explain about Rhabdovirus with its clinical manifestation, diagnosis, prophylaxis and treatment.

2. Describe in detail about the pathogenesis, clinical manifestation, laboratory diagnosis and prophylactic measures of clostridium tetani.

II. Write Notes on: **(10 x 5 = 50)**

1. Define vector. Explain the modes of transmission of disease.
2. Define Antigen. Write note on antigen antibody reaction.
3. Explain Type 1 and Type 2 Hypersensitivity with example.
4. Elaborate the stages of plague.
5. Describe the clinical manifestations and lab diagnosis of syphilis.
6. Difference between small pox and chicken pox.
7. Explain Complement cascade.
8. Tabulate staphylococcal toxins.
9. Write a note on the pathogenesis of HIV.
10. How will you manage the bio medical waste in a hospital?

III. Short Answers on: **(10 x 2 = 20)**

1. Nagler’s reaction.
2. What is Lepromatous leprosy?
3. Cytokine storm.
4. What causes Koplik spot?
5. Enumerate the bacteria that causes nosocomial infection.
6. What do you mean by Typhoid carrier?
7. Define Ectoparasite.
8. What causes Obstructive appendicitis?
9. What is the mode of transmission of Polio?
10. What is Dengue hemorrhagic fever?

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 0824] **AUGUST 2024** **Sub. Code: 1511**
(MAY 2024 EXAM SESSION)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER III – MICROBIOLOGY

Q.P. Code: 821511

Time: Three Hours **Answer ALL questions** **Maximum: 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Pathogenesis and treatment of Gonorrhea.

2. Pathogenesis of Poliomyelitis.

II. Write Notes on: **(10 x 5 = 50)**

1. Bubonic Plague.
2. Pulmonary Anthrax.
3. Koch's Postulates.
4 Hepatitis A virus.
5. Dry heat method of sterilization.
6. Mycoses.
7. Candidiasis.
8. Botulism.
9. Clinical features of Ascariasis.
10. Pinworm.

III. Short Answers on: **(10 x 2 = 20)**

1. VDRL test.
2. Barber's itch.
3. Dengue fever.
4. Blue pus bacillus.
5. Madura foot.
6. Hookworm.
7. Prophylaxis of Rabies.
8. Treatment of Leprosy.
9. Autoimmunity.
10. Transport media.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 0125] **JANUARY 2025** **Sub. Code: 1511**
(OCTOBER 2024 EXAM SESSION)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER III – MICROBIOLOGY

Q.P. Code: 821511

Time: Three Hours **Answer ALL questions** **Maximum: 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Describe the etiopathogenesis, clinical course and discuss the lab diagnosis of Tuberculosis.

2. Explain in detail about Rhabdovirus and its clinical manifestations.

II. Write Notes on: **(10 x 5 = 50)**

1. Difference between small pox and chicken pox.
2. Life cycle of Round worm.
3. Write note on Plague.
4. Define Venereal disease. Explain Gonorrhea.
5. Mechanism of Innate immunity.
6. Define Mycoses. Explain superficial mycoses.
7. Explain the pathogenesis of Tetanus.
8. Bacterial growth curve.
9. Clinical course of Measles.
10. Define Hypersensitivity. Explain Type II hypersensitivity in detail with example.

III. Short Answers on: **(10 x 2 = 20)**

1. Bull neck syndrome.
2. Congenital syphilis.
3. Significance of Lepromin test.
4. Draw the structure of HIV.
5. What causes black water fever?
6. Amoebic liver abscess.
7. Define intermittent sterilization with example.
8. Triple vaccine.
9. What is autoimmunity?
10. What causes swimming pool conjunctivitis?

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BNYS 0725] **JULY 2025** **Sub. Code: 1511**
(MAY 2025 EXAM SESSION)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER III – MICROBIOLOGY

Q.P. Code: 821511

Time: Three Hours **Answer ALL questions** **Maximum: 100 Marks**

I. Essay Questions: **(2 x 15 = 30)**

1. Explain Streptococcal toxins and its clinical manifestations in detail.

2. Describe Malarial parasites and stages of malaria in detail with lab diagnosis.

II. Write Notes on: **(10 x 5 = 50)**

1. Write note on Hepatitis B.
2. Draw and describe Bacteriophage.
3. Difference between amoebic and bacillary dysentery.
4. Define Zoonosis and explain Leptospirosis.
5. Clinical course of Mumps.
6. Explain Aspergillosis.
7. Describe the Life cycle of Enterobius vermicularis.
8. Anthrax and its types.
9. What are the different modes of transmission of disease?
10. Clinical manifestations of E-coli.

III. Short Answers on: **(10 x 2 = 20)**

1. What are Koplik spots?
2. Define Madura foot.
3. Ophthalmia neonatorum.
4. What is Lobar pneumonia?
5. Define Infant botulism.
6. Mantoux test.
7. Define Disinfection.
8. Uses of hot air oven.
9. Define Acid fast staining.
10. What is dengue hemorrhagic fever?

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