[LL 1507] OCTOBER 2017 **Sub. Code: 1507**

SECOND B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER II – PATHOLOGY - II

Q.P. Code : 581507

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

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

SECTION – A

1. Describe types of Malarial Parasites. Explain the Pathogenicity of Plasmodium falciparum.

SECTION – B

2. Describe the Pathogenecity, Lab diagnosis of Dengue Fever.

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

SECTION – A

1. Enteric Fever and its Diagnosis.
2. Difference between Active and Passive Immunity.
3. Methods of Transmission of Infection.
4. Amoebic Liver Abscess – Describe in detail.
5. Staining Techniques and its types.

SECTION – B

6. Pathogenecity of Streptococci.
7. Describe Herpes Zoster in detail.
8. Pathogenecity and Lab diagnosis of Neisseria Gonorrhoeae.
9. Ascaris and its Pathogenecity.
10. Lab diagnosis of Wuchereria Bancrofti.

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

SECTION – A

1. Immunoglobulin Types.
2. Describe Agar agar.
3. Explain Dimorphic Fungi.
4. Bacteriophage – Define.
5. Explain Vincent's Angina.

SECTION – B

6. What is Arthus Reaction?
7. Define Atophy?
8. NIH Swab – Explain.
9. Casoni Test – Describe.
10. Hanging Groin – Describe.

******

[LM 1507] MAY 2018 **Sub. Code: 1507**

SECOND B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER II – PATHOLOGY - II

Q.P. Code : 581507

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

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

SECTION – A

1. Describe the life cycle, pathogenecity, lab diagnosis of Ancylostoma Duodenale.

SECTION – B

2. Describe the pathology, lab diagnosis of Rabies.

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

SECTION – A

1. Lab diagnosis of Syphilis.
2. Pathogenecity of Shigella.
3. Lab Diagnosis of HIV Infection.
4. Describe in detail about Botulism.
5. Pathogenecity and Lab Diagnosis of ClostridiumTetani.

SECTION – B

6. Classify Hypersensitivity reactions with examples.
7. Classification of virus.
8. Rota virus.
9. Immuno prophylaxis.
10. Definition of Immunopathology.

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

SECTION – A

1. Define Serum sickness.
2. Define Humoral Immunity.
3. Explain Flocculation test.
4. Difference between Amoebic and Bacillary Dysentery.
5. Weil's Disease **–** Describe.

SECTION – B

6. Intermediate Host **–** Define.
7. Rhino virus.
8. Rubella virus.
9. ABST.
10. Animal Inoculation.

****

[LN 1507] OCTOBER 2018 **Sub. Code: 1507**

SECOND B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER II – PATHOLOGY - II

Q.P. Code : 581507

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

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

SECTION – A

1. Describe in detail about different types of Culture Medias.

SECTION – B

2. Explain the nature and classification of viruses.

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

SECTION – A

1. Difference between Endotoxin and Exotoxin.
2. Opportunistic pathogens.
3. Types of Sterilisation.
4. Yersinai Pestis and its Pathogenecity.
5. Explain in detail about Delayed Hypersensitivity.

SECTION – B

6. Immuno prophylaxis.
7. Importance of examination of stool.
8. Explain about Antimicrobial chemotherapy.
9. Features of Ebstein – barr virus.
10. Pathogenesis and Lab diagnosis of Polio virus.

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

SECTION – A

1. Describe Koch's Postulates.
2. Define Opsonisation.
3. Explain Herd Immunity.
4. What is Sandwich ELISA?
5. What is Haptens?

SECTION – B

6. Describe Coomb's test.
7. List out the DNA viruses.
8. Define pathogenicity.
9. Define culture methods.
10. Define Zoonosis.

******

[LO 1507] MAY 2019 **Sub. Code: 1507**

SECOND B.H.M.S. DEGREE EXAMINATION

(New Regulation – From 2015-2016 Batch onwards)

PAPER II – PATHOLOGY – II

Q.P. Code : 581507

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

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

SECTION – A

1. Describe the pathogenesis, pathology and lab diagnosis of Salmonella typhi.

SECTION – B

2. Describe the pathogenesis, clinical manifestations and lab diagnosis of Human Immunodeficiency Virus.

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

SECTION – A

1. Pathogenesis and laboratory diagnosis of Corynebacterium diphtheria.
2. Life cycle and pathogenicity of Wuchereria bancrofti.
3. Pathogenesis and lab diagnosis of Pulmonary tuberculosis.
4. Pathogenesis and lab investigations of Enterobiasis.
5. Life cycle and pathogenicity of Plasmodium falciparum.

SECTION – B

6. Discuss Type II Hypersensitivity reaction.
7. Chemical methods of sterilization.
8. Lepromin test.
9. Enumerate the enterically transmitted hepatitis viruses and their laboratory findings.
10. Pathogenesis and complications of Mumps.

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

SECTION – A

1. Rhinosporidiosis.
2. Satellitism.
3. Romanas sign – describe.
4. String test.
5. Bubonic plague.

SECTION – B

6. Congenital rubella syndrome.
7. Viral inclusion bodies.
8. Arthus reaction.
9. Define Disinfection.
10. Interferons.

****

[LP 1507] OCTOBER 2019 **Sub. Code: 1507**

SECOND B.H.M.S. DEGREE EXAMINATION

(New Regulation – From 2015-2016 Batch onwards)

PAPER II – PATHOLOGY – II

Q.P. Code : 581507

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

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

SECTION – A

1. Describe the life cycle and pathogenesis of Entamoeba histolytica.

SECTION – B

2. Describe the pathogenicity and lab diagnosis of Rabies.

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

SECTION – A

1. Pathogenesis of Solmonella.
2. Describe Botulism in detail.
3. Lab diagnosis of Mycobacterium Leprae.
4. Hydatid cyst and its diagnosis.
5. Liver fluke-Describe.

SECTION – B

6. Autoclave and its importance.
7. Selective medias and its types.
8. Endotoxin and exotoxin-describe.
9. Adenovirus and its pathogenesis.
10. General characters of Virus.

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

SECTION – A

1. Koch's postulates.
2. Simple stains.
3. Bacterial growth curve.
4. Bubonic plague.
5. Wool sorters disease.

SECTION – B

6. Null cells.
7. Humoral immunity.
8. Serum sickness.
9. Interferons-Describe.
10. Paul bunnel test.

****

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

[BHMS 0321] **MARCH 2021** **Sub. Code: 1507**

(MAY 2020 SESSION)

B.H.M.S. DEGREE EXAMINATION

SECOND YEAR (New Regulation – From 2015-2016 Batch onwards)

PAPER II – PATHOLOGY - II

Q.P. Code : 581507

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

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

SECTION – A

1. Describe the lifecycle, pathogenesis and lab diagnosis of Ascaris lumbricoids.

SECTION – B

2. Describe the morphology, pathogenesis and lab diagnosis of Hepatitis B virus.

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

SECTION – A

1. Pathogenesis and laboratory diagnosis of Vibrio cholera.
2. Life cycle and pathogenicity ot Taenia solium.
3. Lepromatpous leprosy.
4. Pathogenesis of Pneumococci.
5. Leishmaniasis.

SECTION – B

6. Type III Hypersensitivity reaction.
7. Auto immunity.
8. Widal test.
9. Pathogenesis of varicella zoster virus.
10. Pathogenesis and complications of measles.

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

SECTION – A

1. Dermatophytosis - define.
2. Hide potters disease.
3. Cysticercosis - describe.
4. Travellers diarrhoea.
5. Ghons complex.

SECTION – B

6. Prions - describe.
7. Immunoglobulins.
8. Haptens - define.
9. Glandular fever.
10. Chikungunya-describe.

*****

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

[BHMS 0921] **SEPTEMBER 2021** **Sub. Code: 1507**
(OCTOBER 2020 SESSION)

SECOND B.H.M.S. DEGREE COURSE
PAPER II – PATHOLOGY - II
Q.P. Code : 581507

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

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

SECTION – A

1. Describe the pathogenesis, pathology and lab diagnosis of Mycobacterium tuberculosis.

SECTION – B

2. Describe the pathogenesis, clinical manifestations and lab diagnosis of mumps.

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

SECTION – A

1. Pathogenesis and laboratory diagnosis of Salmonella typhi.
2. Life cycle and pathogenicity of Entamoeba hystolytica.
3. Pathogenesis and lab diagnosis of Bacillary dysentery.
4. Pathogenesis of Beta haemolytic Streptococci.
5. ELISA - test.

SECTION – B

6. Discuss Type IV Hypersensitivity reaction.
7. Infection.
8. Pathogenesis of Human Papilloma virus.
9. Mode of transmission of Microbial diseases.
10. Rabies Virus

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

SECTION – A

1. Pathogenicity of Candida albicans.
2. Name the four bacterias responsible for Urinary tract infection.
3. Schistosomiasis-Describe.
4. Larva migrans.
5. Quellung reaction.

SECTION – B

6. Negri bodies
7. Graves disease.
8. Define Bacteremia.
9. CSF findings in viral meningitis.
10. TORCH syndrome.

*****

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

[BHMS 0222] **FEBRUARY 2022** **Sub. Code: 1507**
(MAY 2021 EXAM SESSION)

B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER II – PATHOLOGY - II
Q.P. Code : 581507

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

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

SECTION – A

1. What are the malarial parasites? Explain the pathogenesis of Plasmodium falciparaum.

SECTION – B

2. Classify spirochetes pathogenic to humans and describe the pathogenesis and lab diagnosis of Syphilis.

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

SECTION – A

1. Urinary tract infections and its lab diagnosis.
2. Dengue haemorrhagic fever.
3. Herpes Zoster and its diagnosis.
4. Bacteriophages-life cycle.
5. Oncogenic virus of Humans –Explain.

SECTION – B

6. Methods of transmission of Infection.
7. Cutaneous larva migrans.
8. Key points of Balantidium coli.
9. Chagas Disease-explain.
10. Blood fluke and its pathogenecity.

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

SECTION – A

1. Define Saprophytes.
2. Quellung reaction.
3. Malignant pustule.
4. DPT vaccine.
5. Urease breath test.

SECTION – B

6. Cyclopes-Describe.
7. Explain Reduvid bug.
8. NIH Swab-Describe.
9. Virions-Describe.
10. Name the parasites present in peripheral blood smear.

*****

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

[BHMS 0522] **MAY 2022** **Sub. Code: 1507**

(OCTOBER 2021 EXAM SESSION)

B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER II – PATHOLOGY - II
Q.P. Code : 581507

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

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

SECTION – A

1. Define Hypersensitivity. Classify hypersensitivity reactions and describe in detail.

SECTION – B

2. Explain the life cycle, pathogenesis, diagnosis of Hook worm.

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

SECTION – A

1. Robert Koch and his contributions.
2. Culture medias and its types.
3. Lab Diagnosis of HIV infection.
4. Pathogenecity of Adeno Virus.
5. Describe Candidiasis.

SECTION – B

6. Mention different sources of Infection.
7. Pathogenesis of Pinworms.
8. Hydatid cyst and its Lab diagnosis.
9. Hot Air Oven and its significance.
10. Lung fluke and its Pathogenecity.

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

SECTION – A

1. Describe sleeping sickness.
2. What is Oriental Sore.
3. What is Prions.
4. BCG vaccine.
5. Bacteriophage – Explain.

SECTION – B

6. Describe Tripple Antigen.
7. Explain Weils disease.
8. Lepra reaction.
9. Describe Asepsis.
10. Name the parasites present in stool.

*****

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

[BHMS 1022] **OCTOBER 2022** **Sub. Code: 1507**
(MAY 2022 EXAM SESSION)

B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER II – PATHOLOGY - II
Q.P. Code : 581507

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

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

SECTION – A

1. Define Sterilisation. Enumerate the methods of Sterilisation by dry heat. Discuss about Hot air oven.

SECTION – B

2. Enumerate the Viruses affecting the Liver. Discuss the pathogenecity and Lab diagnosis of Hepatitis B Virus.

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

SECTION – A

1. Toxic Shock syndrome. Describe its aetiology and pathogenesis.
2. Congenital Rubella and its diagnosis.
3. Lab diagnosis of Neisseria gonorrhoeae.
4. Pathogenesis and lab diagnosis of Hookworm.
5. Pathogenesis and lab diagnosis of Enterobius vermicularis.

SECTION – B

6. Pathogenesis and Lab diagnosis of Ebstein barr virus.
7. Filariasis – Explain in brief.
8. Pathogenesis of Ascaris Lumbricoides.
9. Lab diagnosis of Syphylis.
10. Poliovirus Pathogenecity.

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

SECTION – A

1. Relapsing fever.
2. Swimming pool granuloma.
3. Halophilic vibrios.
4. Bacillary Dysentry.
5. Nagler’s reaction.

SECTION – B

6. Anaphylaxis.
7. Herd Immunity.
8. Plasmids.
9. Methods of Isolating pure cultures of Bacterias.
10. Killed Vaccines.

*****

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

[BHMS 0323] **MARCH 2023** **Sub. Code: 1507**
(OCTOBER 2022 EXAM SESSION)

B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER II – PATHOLOGY – II

Q.P. Code: 581507

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

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

SECTION – A

1. Describe the life cycle and pathogenesis of Entamoeba histolytica.

SECTION – B

2. Describe the pathogenicity and lab diagnosis of Rabies.

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

SECTION – A

1. Pathogenesis of Solmonella.
2. Describe Botulism in detail.
3. Lab diagnosis of Mycobacterium Leprae.
4. Hydatid cyst and its diagnosis.
5. Liver fluke- Describe.

SECTION – B

6. Autoclave and its importance.
7. Selective medias and its type.
8. Endotoxin and exotoxin-describe.
9. Adenovirus and its pathogenesis.
10. General characters of Virus.

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

SECTION – A

1. Koch's postulates.
2. Simple stains.
3. Bacterial growth curve.
4. Bubonic plague.
5. Wool sorters disease.

SECTION – B

6. Null cells.
7. Humoral immunity.
8. Serum sickness.
9. Interferons- Describe.
10. Paul bunnel test.

*****

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

[BHMS 0923] **SEPTEMBER 2023** **Sub. Code: 1507**
(MAY 2023 EXAM SESSION)

B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER II – PATHOLOGY – II

Q.P. Code: 581507

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

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

SECTION – A

1. Explain the pathogenesis, pathology, clinical features and lab investigations of Salmonella typhi.

SECTION –B

2. Classify Arbo viruses. Describe briefly about Dengue.

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

SECTION – A

1. Pathogenesis and lab investigation of Ascaris lumbricoides.
2. Pathogenesis and Clinical manifestations of Staphylococcus aureus.
3. Cutaneous Leishmaniasis.
4. Pathogenesis and Clinical manifestations of Clostridium tetani.
5. Pathogenesis and lab investigation of Gonococcus.

SECTION –B

6. Explain about the physical methods of sterilisation.
7. Types of transport media and their uses.
8. Pyrexia of unknown origin.
9. Pathogenesis of Influenza viruses.
10. Describe the mechanism of Type I Hypersensitivity reaction with example.

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

SECTION – A

1. Diseases produced by Candida albicans.
2. Scarlet fever.
3. Quellung reaction.
4. Katayama fever.
5. Casoni test.

SECTION –B

6. Herd immunity.
7. Molluscum contagiosum.
8. Sclerotic bodies.
9. NK cells.
10. Antigenic shift.

*****

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

[BHMS 0824] **AUGUST 2024** **Sub. Code: 1507**
(MAY 2024 EXAM SESSION)

B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER II – PATHOLOGY – II

Q.P. Code: 581507

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

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

SECTION – A

1. Mention names of Spirochetes. Describe Treponema Pallidum morphology, pathogenicity and lab diagnosis.

SECTION – B

2. Explain the morphology, pathogenicity, Lab diagnosis of Rabies Virus.

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

SECTION – A

1. Describe few Staining Techniques.
2. Hot Air Oven and its uses.
3. Different method of Transmission of Infection.
4. Lab Diagnosis of Salmonella Typhi.
5. Toxic Shock Syndrome- describe in detail.

SECTION – B

6. Describe Lung Fluke.
7. Describe Black Water Fever.
8. Pathogenesis and Lab Diagnosis of Hydatid Cyst.
9. Herpes Simplex- Describe.
10. Polio Virus.

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

SECTION – A

1. Define Antigen.
2. Abnormal Immunoglobulins - Explain.
3. LJ Medium - Describe.
4. Barbers Itch - Explain.
5. What is Atopy?

SECTION –B

6. Name two organism having “Safety Pin“ appearance.
7. What is Zoonosis?
8. Paul Bunnell Test – Explain.
9. Parasites found in Urinary sediment.
10. Mention four Oncogenic Viruses.

*****

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

[BHMS 0525] **MAY 2025** **Sub. Code: 1507**

B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (Regulations From 2015-2016 batch onwards)
PAPER II – PATHOLOGY – II

Q.P. Code: 581507

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

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

SECTION – A

1. Explain the pathogenesis, pathology and lab investigations of Solmonello typhi.

SECTION –B

2. Describe briefly about pathogenesis, pathology and lab investigations Hepatitis B virus.

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

SECTION – A

1. Explain the pathogenesis and clinical manifestations of Beta haemolytic Streptococcus.
2. Pathogenesis of Bacillary dysentery.
3. Life cycle, pathology and lab investigation of Enterobius vermicularis.
4. Pathogenesis and laboratory investigations of Yersenia pestis.
5. Difference between Exotoxin and Endotoxin with examples.

SECTION –B

6. Explain the pathogenesis and complication of Mumps.
7. Pathogenesis of Autoimmune diseases.
8. Chemical methods of Sterilisation.
9. Explain the pathogenesis and clinical manifestations of Varicella-Zoster virus.
10. Differential media and their uses.

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

SECTION – A

1. Histoplasmosis.
2. Schistosomiasis.
3. Black fever.
4. Lymphogranuloma venereum.
5. Malignant pustule.

SECTION –B

6. Congenital rubella.
7. Anaphylatic reaction.
8. Types of Interferons.
9. Paul-Bunnet test.
10. Viral inclusion bodies.

*****