

AUGUST 2007

[KR 1235]

Sub. Code : 1235

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

Paper I — PATHOLOGY AND MICROBIOLOGY

Time : Three hours

Maximum : 100 marks

Theory : Two hours and

Theory : 80 marks

forty minutes

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

I. Long Essay :

(2 × 15 = 30)

(Write any TWO)

1. Describe the morphology and lifecycle of wucheraria bancrofti and discuss its pathogenesis?

2. Name the organisms causing genital tract lesions in man? Discuss the morphology and biology of gonococcus with its pathogenesis in detail?

3. Define oedema? Describe the pathogenesis and pathology in detail?

II. Short notes :

(10 × 5 = 50)

(Write any TEN questions)

- 1. Leukaemia.**
 - 2. Chicken pox.**
 - 3. Myocardial infarction.**
 - 4. Hydatid cyst.**
 - 5. Tertiary syphilis.**
 - 6. Jaundice.**
 - 7. Thalassaemia.**
 - 8. Fatty degeneration.**
 - 9. Classification of anaemia.**
 - 10. Etiology of cancer.**
 - 11. Negri bodies**
 - 12. Fatty change.**
-

FEBRUARY 2008

[KS 1235]

Sub. Code : 1235

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

Paper I — PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time : Three hours

Maximum : 100 marks

Theory : Two hours and

Theory : 80 marks

forty minutes

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

I. Long Essay :

(2 × 15 = 30)

Write any TWO questions.

1. Define cell injury. Explain the causes and mechanism of cell injury.

2. Discuss in detail about the life cycle, pathogenecity and the lab diagnosis of plasmodium falciparium.

3. Define atherosclerosis and write about its mechanism.

II. Short notes :

(10 × 5 = 50)

Write any TEN questions.

1. NIH swab.

2. Flagella.

3. Koch Postulates.

4. Trichomonas Vaginalis.

5. Gas Gangrene.

6. Bacillus food poisoning.

7. Amyloid liver.

8. Viral carcinogens.

9. Gastric ulcer.

10. Proteinuria.

11. Gout.

12. HIV - morphology.

August 2008

[KT 1235]

Sub. Code : 1235

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

Paper I — PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time : Three hours

Maximum : 100 marks

I. Long Essay : (2 × 15 = 30)

Write any TWO questions

- 1. What are chronic obstructive pulmonary disorders? Explain any one of them in detail.**
- 2. Define immunity and discuss the mechanisms of immune system.**
- 3. Define wound healing. Explain the primary and secondary wound healing.**

II. Short notes : (Write any TEN) (10 × 5 = 50)

- 1. Chemotaxis.**
- 2. Hydatid cyst.**

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3. Casoni's test.
4. Anaerobic culture.
5. Food Poisoning.
6. Coagulative Necrosis.
7. Kala – Azar.
8. Vibrea cholerae – toxins.
9. Angina pectoris.
10. Carcinoma in situ.
11. 'Sago' spleen.
12. Tissue macrophages.

III. Short answers : (10 × 2 = 20)

1. Steatosis.
2. What is necrosis?
3. Atrophy.
4. What is Gout?
5. Pus.

6. Polyp.
 7. What is Embolism?
 8. Antigen.
 9. Endoparasites.
 10. Reticulocytosis.
-

FEBRUARY - 2009

[KU 1235]

Sub. Code : 1235

SECOND B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004–2005 onwards)

Pattern 5

Paper I — PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time : Three hours

Maximum : 100 marks

I. Long essay : (2 × 15 = 30)

Write any TWO questions.

1. Define inflammation. Describe the vascular and cellular events in acute inflammation.
2. Describe the pathogenesis and lab diagnosis of salmonella typhi.
3. Describe the pathogenicity, life cycle and lab diagnosis of Wucheria bancroft.

II. Write briefly on any TEN of the following :
(10 × 5 = 50)

1. Bacteriophage.
2. Yersenia pestis.

3. Lab diagnosis of tetani.
 4. Thromboembolism.
 5. Peripheral blood smear of acute myeloid leukaemia.
 6. Types of amyloidosis.
 7. NIH swab.
 8. Pathogenesis of *Taenia saginata*.
 9. Pathogenesis and lab investigation of *E. histolytica*.
 10. Type I hypersensitivity.
 11. Emphysema.
 12. Hashimoto thyroiditis.
 5. Hanging drop method.
 6. Paraneoplastic syndrome.
 7. What is satellitism?
 8. Mention the toxic substances produced by streptococi.
 9. Steps in phagocytosis.
 10. Oncogenic effect of ultra violet rays.
-

III. Write short answers for ALL questions:

(10 × 2 = 20)

1. Casoni's test.
2. Peripheral blood picture in malaria.
3. Modes of infection in *Enterobias vermicularis*.
4. Histologic features of chronic inflammation.

August - 2009

[KV 1235]

Sub. Code : 1235

SECOND B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004–2005 onwards)

PATTERN 5

Paper I — PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time : Three hours

Maximum : 100 marks

I. Write an essay on any TWO of the following :

(2 × 15 = 30)

1. Define neoplasia. Discuss the pathogenesis of cancer formation.

2. Classify Hypersensitivity. Explain delayed hypersensitivity in detail.

3. Describe morphology, toxin, pathogenesis and lab diagnosis of vibrio cholera.

II. Write short notes on any TEN of the following :

(10 × 5 = 50)

1. Moist heat sterilization.

2. Lab diagnosis of diphtheria.

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3. Hepatitis B.
4. Gangrene.
5. Hypertrophy.
6. Lab investigation of Iron deficiency anaemia.
7. Healing by secondary intention.
8. Infarction.
9. Hydatid cyst.
10. Pathogenesis and lab diagnosis of A duodenale.
11. Amoebiasis.
12. Filariasis.

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

1. Name the parasites that are detectable in blood film.
2. Definitive and intermediate host of Taenia Saginatum.
3. Name the parasites which cause iron deficiency anaemia.

4. Virchows triad.
 5. Babes Ernst granules.
 6. Aschoff bodies.
 7. What is Quelling phenomena?
 8. X-ray finding in Talassemia major.
 9. Define embolism.
 10. Teratoma.
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February 2010

[KW 1235]

Sub. Code : 1235

SECOND B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004–2005 onwards)

Pattern 5

Paper I — PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Write in detail about the aetiopathology of inflammation.
2. Describe the life cycle, pathogenicity of *Entamoeba histolytica* and laboratory diagnosis of amoebic dysentery.

II. Short notes : (10 × 5 = 50)

1. Necrosis
2. Metaplasia
3. Giant cells

4. Difference between benign and malignant tumor
5. Fate of thrombus
6. Structure of immunoglobulin
7. Black water fever
8. Capsule
9. *Giardia intestinalis*
10. Bacteriophage.

III. Short answers : (10 × 2 = 20)

1. Plasmid
2. Epitope
3. Host
4. Sign of inflammation
5. Shape of bacteria
6. Virchow's triad
7. Define sterilisation
8. Liver function test
9. Laboratory investigation of malaria
10. Classification of culture media.

August 2010

[KX 1235]

Sub. Code: 1235

SECOND B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004-2005 onwards)

(Pattern – 5)

Paper I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time : Three hours

Maximum : 100 marks

Draw neat diagram wherever necessary.

Answer ALL questions.

I. Essay Questions:

(2 x 15 = 30)

1. Define Rheumatic fever and Rheumatic heart disease. Write its pathogenesis and morphological lesions and criterias.
2. Explain in detail about the life cycle. Pathogenesis and lab diagnosis of Plasmodium falciparum.

II. Short Notes :

(10 x 5 = 50)

1. Pathology of Gout.
2. Types of Aneurysm.
3. Vascular events of acute inflammation.
4. Cirrhosis of liver.
5. Nutmeg liver.
6. Bacillus Food Poisoning.
7. Gas gangrene.
8. Anchovy Sauce Pus.
9. Kala azar.
10. Anaphylaxis.

III. Short Answers:

(10 x 2 = 20)

1. Giant Cell.
 2. Porcelain Gall Bladder.
 3. Rickets.
 4. Wilm's Tumour.
 5. Granulation Tissue.
 6. Sterilization.
 7. Toxic Shock Syndrome.
 8. Paratenic Host.
 9. Katayama Fever.
 10. Elementary Bodies.
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August 2011

[KZ 1235]

Sub. Code : 1235

SECOND B.H.M.S. DEGREE EXAMINATION

Paper I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time : Three hours

Maximum: 100 Marks

Answer ALL questions.

I. Essay Questions

(2 x 15 = 30)

1. Define Oedema. What are the different mechanisms of production of Oedema and Describe pulmonary Oedema.
2. Define Typhoid Fever and explain the causes, pathogenesis, Clinical features and lab diagnosis.

II. Short Notes

(10 x 5 = 50)

1. Chemotaxis
2. Cardinal sign of inflammation
3. Necrosis
4. Emphysema
5. Apoptosis
6. Features of benign tumour
7. Pathogenesis of Hook worm
8. Chemical method of sterilization
9. Immunoglobulins
10. AIDS.

III. Short Answers

(10 x 2 = 20)

1. Metaplasia
2. Nephrotic syndrome
3. Ghon's lesion
4. Define Peptic Ulcer
5. Hyperplasia
6. General properties of virus
7. Bacterio Phage
8. Casoni's test
9. Amoebic dysentery
10. Zoonotic disease

February 2012

[LA 1235]

Sub. Code: 1235

**SECOND B.H.M.S. DEGREE EXAMINATION
Paper I - PATHOLOGY AND MICROBIOLOGY**

Q .P .Code: 581235

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

I. Elaborate on: (2 x 15 = 30)

1. Define Inflammation, its classification. Describe the chemical mediators of Inflammation.
2. Describe the morphology, cultural characteristics, pathogenesis and laboratory diagnosis of Mycobacterium Tuberculosis.

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

1. Pathogenesis of B Haemolytic streptococci.
2. Laboratory investigations of iron deficiency anaemia.
3. Physical carcinogenesis.
4. Types of necrosis.
5. Pathogenesis of oedema.
6. Life cycle of Enterobias vermicularis.
7. Pathogenesis of B Thalassaemia major.
8. Lepromatous leprosy.
9. Pathogenesis of Wuchereia bancrofti.
10. Myocardial infarction.

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

1. Hydatid cyst.
2. Disinfection.
3. Features of Anaplasia.
4. Negri bodies
5. Coombs test
6. Tumour markers
7. Tetanus toxin
8. Teratoma of ovary
9. Cysticercus cellulosae.
10. Quellung reaction.

[LB 1235]

Sub. Code: 1235

SECOND YEAR B.H.M.S. DEGREE EXAM – AUGUST 2012

PAPER I - PATHOLOGY AND MICROBIOLOGY

Q.P.Code: 581235

Time: 180 Minutes

Maximum: 100 Marks

Answer ALL questions

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. Define and classify Anaemia. Write in detail about Iron deficiency Anaemia. | 16 | 25 | 15 |
| 2. Define sterilization and explain the sterilization by physical agent and chemical agent. | 16 | 25 | 15 |

II. Write notes on:

- | | | | |
|--|---|---|---|
| 1. Fate of thrombus. | 3 | 8 | 5 |
| 2. Decompression sickness. | 3 | 8 | 5 |
| 3. Dystrophic calcification. | 3 | 8 | 5 |
| 4. Chemical Carcinogenesis. | 3 | 8 | 5 |
| 5. Repair. | 3 | 8 | 5 |
| 6. Laboratory Diagnosis of Leishmania Donovanii. | 3 | 8 | 5 |
| 7. Optimum condition for bacteria growth. | 3 | 8 | 5 |
| 8. Enrichment media. | 3 | 8 | 5 |
| 9. Immune response. | 3 | 8 | 5 |
| 10. Delayed hypersensitivity reaction. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|----------------------|---|---|---|
| 1. Hypertrophy. | 1 | 5 | 2 |
| 2. Dengue fever. | 1 | 5 | 2 |
| 3. Local diphtheria. | 1 | 5 | 2 |
| 4. Carcinoma in situ | 1 | 5 | 2 |
| 5. Necrosis. | 1 | 5 | 2 |
| 6. Transport media. | 1 | 5 | 2 |
| 7. Gram's stain. | 1 | 5 | 2 |
| 8. Cholelithiasis. | 1 | 5 | 2 |
| 9. Leiomyoma. | 1 | 5 | 2 |
| 10. Enteric Fever. | 1 | 5 | 2 |

[LC 1235]

Sub. Code: 1235

SECOND YEAR B.H.M.S. DEGREE EXAMINATION – FEBRUARY 2013

PAPER I : PATHOLOGY AND MICROBIOLOGY

Q. P. Code - 581235

Time : Three Hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. ESSAY QUESTIONS :-

2 X 15 = 30

1. Define Leukaemia, Write in detail about Acute Myeloid Leukaemia.
2. Describe the pathogenesis, pathology and laboratory diagnosis of Treponema Pallidum

II. SHORT NOTES

10 X 5 = 50

1. Pathogenesis of Ancylostoma duodenale.
2. Type I Hypersensitivity reaction.
3. Life cycle and pathogenesis of Plasmodium faciparum.
4. Thrombogenesis.
5. Chemical mediators of inflammation.
6. Physical carcinogenesis.
7. Pathogenesis of Salmonella typhi.
8. Types of necrosis.
9. Pathogenesis of Cirrhosis of liver.
10. Atherosclerosis.

III. SHORT ANSWERS

10 X 2 = 20

1. Complications of Diabetes mellitus.
2. Schistosomiasis.
3. Atrophy.
4. Laboratory findings in Iron deficiency anaemia.
5. Tumour markers.
6. Hashimotos thyroiditis.
7. Nephrotic syndrome
8. Rabies virus.
9. Scurvy
10. Out comes of Hepatitis B

(LD 1235)

Sub. Code: 1235

SECOND B.H.M.S. DEGREE EXAMINATION - AUGUST 2013

Paper – I : PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 581235

Time: Three Hours

Maximum: 100 marks

ANSWER ALL QUESTIONS

I. Essay Questions (2x15=30)

1. Describe the pathogenicity with clinical features and laboratory findings of Salmonella typhi.
2. Define Cirrhosis of liver. Describe the etiopathogenesis, pathology and the types of Cirrhosis of liver.

II. Shorts Notes (10x5=50)

1. Chemical mediators of inflammation
2. Viral carcinogens
3. Cloudy swelling
4. Pernicious anemia
5. Hashimoto's thyroiditis
6. Laboratory diagnosis of microfilaria
7. Toxoplasmosis
8. Difference between amoebic and bacillary dysentery
9. Varicella-zoster virus
10. Sterilization by chemical agents

III. Short Answer (10x2=20)

1. Coomb's test
2. Passive immunity
3. Black water fever
4. Parasites in peripheral blood smear
5. Anchovy sauce
6. Bence Jones protein
7. Burkitt's Lymphoma
8. Virchow's sign
9. Gas gangrene
10. Metaplasia

SECOND PROFESSIONAL B.H.M.S. DEGREE EXAM

PAPER I – PATHOLOGY & MICROBIOLOGY

Q.P. Code : 581235

Time: Three hours

Maximum : 100 Marks

Answer All Questions

I. Essay Questions: (2x15=30)

1. Define Rheumatic fever. Describe the aetiopathogenesis, Pathology and Clinical features of Rheumatic fever.
2. Describe the Morphology, Pathogenicity and laboratory findings of Neisseria Meningitidis.

II. Short Notes: (10x5=50)

1. Air embolism
2. Difference between benign and malignant tumours
3. Vascular events of acute inflammation
4. Osteoarthritis
5. Chronic gastric ulcer
6. Trichomonas vaginalis
7. Morphology and pathogenicity of schistosoma haematobium
8. Types of culture media
9. Leptospirosis
10. Pathogenesis and clinical features of HIV

III. Short Answers: (10x2=20)

1. Zenker's degeneration
2. Sago spleen
3. Nephritic syndrome
4. Sickling
5. Name the complications of diabetes mellitus
6. Mantoux test
7. Herd immunity
8. Zoonoses
9. LD bodies
10. Loeffler's syndrome

SECOND B.H.M.S. DEGREE EXAM

PAPER I – PATHOLOGY & MICROBIOLOGY

Q.P. Code : 581235

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 X 15 = 30)

1. Define Anaemia, Describe the Pathogenesis, clinical features and laboratory diagnosis of Pernicious anemia.
2. Describe the pathogenicity , clinical manifestations and lab investigations of Vibrio cholerae.

II. Short Notes:

(10 X 5 = 50)

1. Describe life cycle and pathogenicity of Ascaris lumbricoides.
2. Pathogenesis of Atherosclerosis.
3. Vascular changes in acute inflammation.
4. Pathogenesis and types of Emphysema.
5. Gangrene.
6. Features of Malignant tumour.
7. Physical methods of Sterilization.
8. Difference between Crohn disease and Ulcerative colitis.
9. Pathogenesis and clinical features of Staphylococcus aureus.
10. Pathogenesis and lab investigations of Entamoeba histolytica.

III. Short Answers:

(10 X 2 = 20)

1. Tumour markers.
2. Types of Angina.
3. Candidiasis.
4. Casoni's test.
5. Define Thrombosis.
6. Aschoff bodies.
7. Koplik spots.
8. Apoptosis.
9. Shigellosis.
10. Endometriosis.

SECOND B.H.M.S. DEGREE EXAMINATION
PAPER I – PATHOLOGY AND MICROBIOLOGY
Q.P. Code : 581235

Time: Three Hours

Maximum : 100 Marks

Answer All questions

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

1. Define Thrombosis. Describe the aetiology, Pathogenesis and Morphology of various thrombus.
2. Write the general characters of Nematodes. Describe the Morphology, life cycle and pathogenesis of Ancylostoma duodenale.

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

1. Healing by Secondary Union.
2. Metastatic Calcification.
3. Bronchiectasis.
4. Infective endocarditis.
5. Grave's disease.
6. Innate immunity.
7. Methods of transmission of infection.
8. Pathogenicity of Mycobacterium leprae.
9. Polio virus.
10. Balantidium coli.

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

1. NNM medium.
2. Casoni's test.
3. Bacterial Spore.
4. Impregnation method for staining.
5. Negri bodies.
6. Nutmeg liver.
7. Howell- Jolly bodies.
8. Saddle embolus.
9. Uric acid stone.
10. Reflux Oesophagitis.

SECOND B.H.M.S. DEGREE EXAMINATION
PAPER I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 581235

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Essay Questions:

(2 x 15 = 30)

1. Define Neoplasm, Describe the spread of malignant tumour in detail.
2. Describe pathogenicity, clinical manifestations and lab investigations of Beta Haemolytic Streptococci.

II. Write notes on:

(10 x 5 = 50)

1. Describe life cycle and pathogenicity of Wuchereria Bancrofti.
2. Alcoholic liver diseases.
3. Cellular events in acute inflammation.
4. Discuss the factors favouring Thrombus formation.
5. Pathogenesis of Mumps.
6. Pathogenesis and lab diagnosis of Clostridium tetani.
7. Acquired Immunity.
8. Laboratory findings in Sickle cell anaemia.
9. Aetiopathogenesis of peptic ulcer.
10. Morphology of reversible cell injury.

III. Short answers on:

(10 x 2 = 20)

1. Lepromin test.
2. Hydatid cyst.
3. Action of Cholera toxin.
4. Enriched media.
5. Seminoma testis.
6. Negri bodies.
7. Reed- Sternberg cells.
8. Black water fever.
9. Morphologic features of Chronic inflammation.
10. Auer rods.

SECOND B.H.M.S. DEGREE EXAM
PAPER I – PATHOLOGY AND MICROBIOLOGY
Q.P. Code : 581235

Time: Three Hours

Maximum : 100 Marks

Answer All questions

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

1. Explain the Aetiology, pathology, pathogenesis and features of Rheumatic fever.
2. Define immunity. Discuss in detail about active and passive immunity?

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

1. Write in detail about Beta – Haemolytic Streptococci.
2. Describe about the pathogenesis and lab diagnosis of Salmonella.
3. Lab diagnosis of Amebiasis.
4. Sleeping sickness.
5. Guinea worm.
6. Glycogen storage disease.
7. Bronchiectasis.
8. Inflammatory bowel diseases.
9. Nephrolithiasis.
10. Teratomas of ovary.

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

1. Hydatiform mole.
2. Osteoclastoma.
3. Monckeberg's arteriosclerosis.
4. Asbestos disease.
5. Sago spleen.
6. LD bodies.
7. Black water fever.
8. Hot air oven.
9. Lab diagnosis of diphtheria.
10. Standard testes of syphilis.

[LJ 1235]

AUGUST 2016

Sub.Code :1235

SECOND B.H.M.S. DEGREE EXAM
PAPER I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Define inflammation, Types, Describe vascular events of acute inflammation.
2. Define sterilization and explain the sterilization by a physical agent and chemical agent?

II. Write Notes on:

(10 x 5 = 50)

1. Gangrene and its types.
2. Pulmonary edema.
3. Angina pectoris.
4. Emphysema.
5. Cholelithiasis.
6. Antigen-Antibody reaction.
7. Mycobacterium Tuberculosis.
8. Hypersensitivity, Classification of Hypersensitivity reaction.
9. Leishmania donovani life cycle and laboratory diagnosis.
10. Wucheria bancrofti life cycle and laboratory diagnosis.

III. Short Answers on:

(10 x 2 = 20)

1. Plague.
2. Spirochetes.
3. Influenza virus.
4. Trichomonas vaginalis.
5. Balantidium Coli.
6. Congenital Syphilis.
7. Philadelphia Chromosome.
8. Neuroblastoma.
9. Diagnosis of Diabetes.
10. Biopsy.

SECOND B.H.M.S. DEGREE EXAMINATION
PAPER I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Define leukemia. Write in detail about chronic myeloid leukemia?
2. Describe in detail about life cycle, pathogenesis of *Ascaris lumbricoides*?

II. Write Notes on:

(10 x 5 = 50)

1. Metaplasia.
2. Pulmonary thromboembolism.
3. Leprosy – causative organism, classification, clinical feature.
4. Gaucher's disease.
5. Hodgkin's disease.
6. Pox virus.
7. Pathogenesis and clinical feature of herpes simplex.
8. Write in detail about the life cycle and pathogenicity of *Toxoplasma gondii*.
9. Transport media.
10. *Cysticercus cellulosae*.

III. Short Answers on:

(10 x 2 = 20)

1. Robert Koch.
2. Lung fluke.
3. Lab diagnosis of kala-azar.
4. ELISA test.
5. Bacteriophage.
6. Negri bodies.
7. Giant cells.
8. Carcinoma in situ.
9. Mantoux test.
10. Paget's disease.

SECOND B.H.M.S. DEGREE EXAMINATION
PAPER I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Classify anaemia and write in detail about iron deficiency anaemia.
2. Describe the etiology, pathogenesis, clinical course and complications of syphilis.

II. Write Notes on:

(10 x 5 = 50)

1. Describe calcification with its types.
2. Write about vitamin A deficiency.
3. Describe the mechanism of wound healing.
4. Write in details about caissons disease.
5. Define and classify amyloidosis.
6. Write about metastasis of neoplasm.
7. Define shock and its complications.
8. Explain TORCH complex.
9. Write about chikungunya.
10. Difference between Type I and Type II diabetes melitus.

III. Short Answers on:

(10 x 2 = 20)

1. Types of candidiasis.
2. Signs and symptoms of cretinism.
3. Define barrett's oesophagus.
4. Types of hepatitis virus.
5. Etiology of malaria.
6. Stages of alcoholic liver disease.
7. Define Marfan's syndrome.
8. Bird flu – etiopathogenesis.
9. Complications of Rabies infection.
10. Signs and symptoms of Beriberi.

[LM 1235]

FEBRUARY 2018

Sub. Code: 1235

SECOND B.H.M.S. DEGREE EXAMINATION
PAPER I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Write in detail about the etiology, pathogenesis, clinical course and complications of malaria.
2. Define atherosclerosis and write about its epidemiology, risk factors, pathogenesis, morphology, clinical course and complications.

II. Write Notes on:

(10 x 5 = 50)

1. Write about sickle cell anaemia.
2. Describe about Buerger's disease.
3. Write about protein energy malnutrition.
4. Write the pathogenesis of Enteric fever.
5. Describe about swine flu infection.
6. Etiology of portal hypertension.
7. Pathogenesis of peptic ulcer.
8. Describe sterilization.
9. Etiopathogeneis of Amoebiasis.
10. Pathogenesis and complications of Nephrotic syndrome.

III. Short Answers on:

(10 x 2 = 20)

1. Define Leukoplakia.
2. Describe Mantoux test.
3. Etiology of Gas Gangrene.
4. Etiology of Pertussis.
5. Signs and Symptoms of rickets.
6. Define Myxedema.
7. Fate of Thrombi.
8. Define Metaplasia.
9. Signs and Symptoms of Sjogren's syndrome.
10. Symptoms of Down's syndrome.

[LN 1235]

AUGUST 2018

Sub. Code: 1235

SECOND B.H.M.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Write in detail about etiology, pathogenesis, symptoms, investigations and complications of tuberculosis.
2. Define thyrotoxicosis, write about its etiopathogenesis, signs and symptoms with its complications.

II. Write Notes on:

(10 x 5 = 50)

1. Investigations for enteric fever.
2. Write about Necrosis.
3. Pathogenesis of myocardial infarction.
4. Write about systemic lupus erythematosus.
5. Pathogenesis and symptoms of rheumatoid arthritis.
6. Write about type I hypersensitivity.
7. Pathogenesis and types of Aneurysms.
8. Etiology and pathogenesis of megaloblastic anaemia.
9. Etiology, signs and symptoms of dengue fever.
10. Describe fibroadenoma of the breast.

III. Short Answers on:

(10 x 2 = 20)

1. Name the pituitary hormones.
2. Define osteoporosis.
3. Symptoms of polycystic ovarian disease.
4. Define glomerulonephritis.
5. Zollinger-Ellison syndrome.
6. Symptoms of Cushing syndrome.
7. Stages of alcoholic liver disease.
8. Tapeworm infections.
9. Classification of chronic leukemia.
10. Define polycythemia vera.

[LP 1235]

AUGUST 2019

Sub. Code: 1235

SECOND B.H.M.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 581235

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Define Rheumatic Heart disease. Write its pathogenesis and morphological lesions and criterias.
2. Describe the pathogenicity, clinical manifestations and lab investigations of *Vibrio cholerae*.

II. Write Notes on:

(10 x 5 = 50)

1. Leptospirosis.
2. Pathological phases of lobar Pneumonia.
3. Pathogenesis and clinical features of *Staphylococcus aureus*.
4. Difference between Nephrotic and nephritic syndrome.
5. Pathogenesis of *Ancylostoma duodenale*.
6. Hall marks of Cancer.
7. Pathogenesis of Jaundice.
8. Acquired Immunity.
9. Hansen's disease.
10. Difference between Gastric ulcer and duodenal ulcer.

III. Short Answers on:

(10 x 2 = 20)

1. FNAC.
2. Oxygen free Radicals.
3. Zenker's degeneration.
4. LD bodies.
5. Carcinoma in situ.
6. Ghon's lesion.
7. Howell jolly bodies.
8. Reed-Sternberg cells.
9. Monckeberg's arteriosclerosis.
10. ELISA test.

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

[BHMS 1022]

**OCTOBER 2022
(FEBRUARY 2022 EXAM SESSION)**

Sub. Code: 1235

**B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (Modified Regulations – Upto 2014-2015 batch)
PAPER I – PATHOLOGY AND MICROBIOLOGY
Q.P. Code : 581235**

Time: Three Hours

Answer ALL questions

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

1. Define apoptosis. What are the causes of apoptosis? Write about the biochemical features and mechanisms of apoptosis. Add a note on dysregulated apoptosis.
2. Define and classify sterilization. Write in detail about chemical methods of sterilization.

II. Write Notes on:

(10 x 5 = 50)

1. Free radicals.
2. Chemical mediators of acute inflammation.
3. Extra intestinal amoebiasis.
4. Discuss the life cycle of Leishmania Donovanii and describe the laboratory diagnosis of Kala-azar.
5. Classification of anaemia.
6. Thrombo-embolism.
7. Hodgkin's disease.
8. Necrosis.
9. Life cycle of Tape worm.
10. Pigments.

III. Short Answers on:

(10 x 2 = 20)

1. Calcification.
2. Signs of inflammation.
3. Types of Odema.
4. String test.
5. Louis Pasteur.
6. Charcot leyden crystals.
7. Name two bacteria with capsule.
8. Hydatid cyst.
9. Widal test.
10. Dysplasia.
