FEBRUARY 2006

[KO 1509] **Sub. Code : 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I — PATHOLOGY — 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. Long Essay : (2 × 15 = 30)

1. Describe the etio–pathogenesis of AIDS. Add a note on its laboratory diagnosis.

2. Classify shock. Explain the stages and clinical features in hypovolemic shock.

II. Short notes : (10 × 5 = 50)

1. Explain the different types of gangrene.

2. Chemical mediators in acute inflammation.

3. Pathological calcification.

4. Healing by primary union.

5. Primary complex.

6. Stages in syphilis.

7. Pathogenesis of cardiac edema.

8. Discuss the causes of atrophy.

9. Discuss the chemical carcinogens.

10. Explain Down's syndrome.

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AUGUST 2006

[KP 1509] **Sub. Code : 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I — PATHOLOGY — 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.

Draw diagram wherever necessary.

I. Long Essay :

1. (a) Etiology and morphology of cell injury.

(b) Causes and pathologic changes of hypertrophy. (10 + 10 = 20)

2. (a) Define ischaemia, infarction and shock.

(b) Classify the causes of ischaemia in detail. (6 + 9 = 15)

3. (a) Tumours of adipose tissue.

(b) Tumour markers.

(c) Contrasting features of benign and malignant tumours. (5 + 5 + 5 = 15)

II. Short notes on : (6 × 5 = 30)

1. Morphological changes in apoptosis.

2. Coagulative necrosis.

3. Primary union.

4. Fat embolism.

5. Differences between dry and wet gangrene.

6. Name the classification of the diseases of immune system and clinical features of Systemic Lupus Erythematosis (SLE).

FEBRUARY 2007

[KQ 1509] **Sub. Code : 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I — PATHOLOGY — 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. Long Essay :

1. Define inflammation and name the Cardinal signs of inflammation. Explain the role of chemical mediators in acute inflammation. (20)

2. Define Neoplasia. Discuss the difference between Benign and Malignant tumour. (15)

3. Define and Classify shock. Explain the stages in hypovolemic shock. (15)

II. Short notes : (6 × 5 = 30)

1. Fate of a thrombus

2. Pathological calcification.

3. Etio–pathogenesis and morphology of Ghon complex.

4. Differences between tuberculoid and lepramatous leprosy.

5. Pathogenesis of edema in congestive cardiac failure.

6. Down's syndrome.

AUGUST 2007

[KR 1509] **Sub. Code : 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I — PATHOLOGY – 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.

Draw Diagrams wherever necessary.

I. Long Essay : (2 × 15 = 30)

1. Define Inflammation. Mention the cardinal signs. Describe the vascular and cellular events of acute inflammation.

2. Define and classify shock. Describe in detail the pathogenesis of septic shock.

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

1. Metaplasia.

2. Primary wound healing.

3. Infarction – Definition, mechanism and types.

4. Pathologic calcification.

5. Fatty Liver.

6. Down Syndrome.

7. Types of Necrosis with examples.

8. Type IV hypersensitivity.

9. Secondary syphilis.

10. Differences between Benign and malignant tumors.

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FEBRUARY 2008

[KS 1509] **Sub. Code : 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I — PATHOLOGY — I

Q.P. Code : 821509

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. Long Essay : (2 × 15 = 30)

1. Discuss the differences between benign and malignant tumors. Add a note on metastasis and grading and staging of cancer.

2. Describe the etio-pathogenesis, morphology and diagnosis in Rheumatic heart disease.

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

1. Discuss the cellular events in acute inflammation.

2. Explain wound healing by primary union. Add a note on factors influencing healing.

3. Describe the general laboratory investigations in an anemic subject.

4. Discuss the morphology and complications of chronic peptic ulcers.

5. Describe the morphological stages and complications of lobar pneumonia.

6. Explain the pathogenesis and morphology of alcoholic cirrhosis of liver.

7. Describe the causes and clinical features of nephrotic syndrome.

8. Explain the etiology and morphology of Squamous cell carcinoma.

9. Discuss the etiology and morphology in Rheumatoid arthritis.

10. Describe the life cycle of Ascaris lumbricoides.

[KU 1509] **Sub. Code : 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I — PATHOLOGY — I

Q.P. Code : 821509

Time : Three hours Maximum : 100 marks

Note :

Answer the question appropriately.

Draw neat diagram wherever necessary.

Answer ALL questions.

I. Long Essay : (2 ×15 = 30)

1. Define neoplasia. Explain in detail about cacinogenesis and carcinogens.

2. Elaborate about types, etiopathogenesis, morphology and clinical manifestation of embolism.

II. Short Notes : (10 × 5 = 50)

1. Gangrene and its types.

2. Amyloidosis.

3. TB.

4. Acute inflammation.

5. Stages of shock.

6. Dysplasia.

7. Granulomatous inflammation.

8. Pathology of AIDS.

9. Hemosiderosis.

10. Down's syndrome.

III. Short Answers : (10 × 2 = 20)

1. Lipofuscin.

2. Cellular swelling.

3. Cardiac Oedema.

4. Repair.

5. Pleomorphism.

6. Reversible cell Injury.

7. Actinomycosis.

8. Grading of cancer.

9. Atrophy.

10. Difference between acute and chornic inflammation.

August - 2009

[KV 1509] **Sub. Code : 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I — PATHOLOGY — I

Q.P. Code : 821509

Time : Three hours Maximum : 100 marks

Answer the question appropriately.

Draw neat diagram wherever necessary.

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Classify Diabetes Mellitus. Explain its etio-pathogenesis, clinical features and complications.

2. What are the types of Bronchial Asthma? Describe its etio-pathogenesis, morphology and clinical features.

II. Short notes : (10 × 5 = 50)

1. Discuss the difference between benign and malignant tumors.

2. Explain the etio-pathogenesis and morphology in Primary complex.

3. Describe the morphology of cardiac lesion in Rheumatic heart disease.

4. Discuss the differences between gastric and duodenal ulcers.

5. Classify pneumonia. Describe the morphological stages in lobar pneumonia.

6. Explain the pathogenesis and morphology of different types of Gall stones.

7. Describe the pathogenesis and clinical features of acute renal failure.

8. Discuss the etiology and morphology in Gouty arthritis.

9. Explain the etiology and morphology of malignant melanoma.

10. CVC of Liver.

III. Short Answers : (10 × 2 = 20)

1. Etiology of cell injury.

2. Steotosis.

3. Types of Gomgrene.

4. Hypertrophy.

5. Auto Immune diseases.

6. Types of Hyparaemia.

7. Decompression sickness.

8. Types of Exudate.

9. Examples of Granulomatous inflammation.

10. Characteristics of tumour.

February 2010

[KW 1509] **Sub. Code: 1509**

B.N.Y.S DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer ALL questions.

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

1. Define Neoplasia, classification of Tumours, briefly write about the LIPOMA.
2. Discuss and write about pathological changes in the Amyloidosis.

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

1. Metaplasia.
2. Secondary union of Healing.
3. Calcification.
4. Haemorrhage.
5. Congenital syphilis.
6. Infarction.
7. Classification of shock? Write the cardiogenci shock?
8. Liquification necrosis.
9. Cellular ageing.
10. Pathology of aids.

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

1. Vimentin.
2. Carcinogens.
3. Ochronosis.
4. Free radical mediated cell injury.
5. Oedema and its etiology.
6. Decompression sickness.
7. Tuberculoid leprosy.
8. DIC.
9. Ischemia.
10. Concepts of immune deficiency disorders.

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August 2010

[KX 1509] **Sub. Code: 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I – PATHOLOGY - I

Q.P. Code : 821509

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

Draw neat diagram wherever necessary.
Answer ALL questions.

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

1. Define inflammation. Explain in detail about Acute Inflammation.
2. Describe about types, Etiopathogenesis, Morphology, Clinical Manifestations of Shock.

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

1. Goucher's disease.
2. Necrosis and its types.
3. Steatosis.
4. Primary and secondary union of wound healing.
5. Thrombosis.
6. Turner's syndrome.
7. Carcinogenesis.
8. Syphilis.
9. Pathological Calcification.
10. Infarction.

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

1. Chronic Inflammation.
2. Cloudy swelling.
3. Classification of Granulomas.
4. Actinomycosis.
5. Pathology of AIDS.
6. Atrophy.
7. Grading and staging of caner.
8. Pathology of Melanin pigment.
9. Haemorrhage.
10. Write briefly Lipoma.

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February 2011

[KY 1509] **Sub. Code: 1509**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper I – PATHOLOGY – I

Q.P. Code : 821509

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

Answer ALL questions.

I. Essay questions: **(2X15=30)**

1. Explain in detail about wound healing.
2. Etiology and pathogenesis of cancer.

II. Short Notes: **(10X5=50)**

1. Fat embolism.
2. Hypertrophy.
3. DIC.
4. Secondary union.
5. Haemorrhage.
6. Gangrene.
7. Hypersensitivity.
8. Clinical effects of Tuberculosis.
9. Etiological agent and routes of transmission of AIDS.
10. Dysplasia.

III. Short Answer: **(10X2=20)**

1. Define Pathology.
2. Two causes of cell injury.
3. Define apoptosis.
4. Define Necrosis.
5. Types of calcification.
6. Define Hyperplasia.
7. Classification of Amyloidosis.
8. Types of Tumours.
9. Define Aneurysm.
10. Types and examples of Auto Immune diseases.

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August 2011

[KZ 1509] **Sub. Code : 1509**

B.N.Y.S. DEGREE EXAMINATION.

Second Year

Paper I — PATHOLOGY — I

Q. P. Code : 821509

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

Answer ALL questions.

I. Essay : **(2 × 15 = 30)**

1. Explain reversible and irreversible cell injury.

2. Define gangrene. Explain in detail.

II. Short notes : **(10 × 5 = 50)**

1. Apoptosis.
2. Explain phagocytosis in detail.
3. Chronic venous congestion of lung.
4. Explain the types of leprosy.
5. Klinefelter's syndrome.
6. Explain the concept of dysplasia, anaplasia and carcinoma in Situ.
7. Exfoliative cytology.
8. Explain hyperaemia and congestion.
9. Explain hemangioma.
10. Explain secondary union.

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

1. Factors involved in pathogenesis of Edema.
2. Teratoma.
3. Fate of theomleosis.
4. Bacteremia and septicemia.
5. Fate of acute inflammation.
6. Actinomycosis.
7. Cloudy swelling.
8. Define metaplasia with examples.
9. Write the functions of any two chemical mediators in inflammation.
10. Grading of cancer.

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February 2012

[LA 1509] **Sub. Code: 1509**

B.N.Y.S. DEGREE EXAMINATION.

SECOND YEAR

PAPER I - PATHOLOGY - I

***Q.P. Code*: 821509**

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

Answer ALL questions

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

1. Explain the stages of pathogenesis in detain with diagrams
2. Define & classify Neoplasm. Detail account on carcinogenesis.

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

1. Embolism
2. Complement system
3. Granulomatous inflammation
4. Angiogenesis
5. Fibrosis
6. Edema
7. Infectious mononucleosis
8. Laboratory diagnosis of cancer
9. Anaplasia
10. Amyloidosis

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

1. Lymphatic Filariasis
2. Calcification
3. Down syndrome
4. Thrombosis
5. Hemoptysis
6. Tissue remodeling
7. Outcomes of acute inflammation
8. Secondary union
9. Chronic inflammation
10. Antibody

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[LB 1509] **Sub. Code: 1509**

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

Paper – I PATHOLOGY – I

***Q.P. Code*: 821509**

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

Answer ALL questions

I. **Elaborate on:**	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Define thrombosis and write the pathogenesis and types and effects of thrombosis.	16	25	15
2. What is tuberculosis? Write the types and pathological changes and clinical features.	16	25	15

II. **Short notes on:**			
1. Hyaline change.	3	8	5
2. Hypertrophy.	3	8	5
3. Secondary union.	3	8	5
4. Pathogenesis of Acute Inflammation.	3	8	5
5. Fatty liver.	3	8	5
6. Pathology of AIDS.	3	8	5
7. Gangrene.	3	8	5
8. Classification of tumours.	3	8	5
9. Actinomycosis.	3	8	5
10. Leprosy.	3	8	5

III. Short Answers on:			
1. Difference between reversible and irreversible.	1	5	2
2. Haemorrhage.	1	5	2
3. Infarction.	1	5	2
4. Clinical features of fatty liver.	1	5	2
5. Regeneration.	1	5	2
6. Haemangioma.	1	5	2
7. Dysplasia.	1	5	2
8. Sago-spleen.	1	5	2
9. Types of hyperaemia.	1	5	2
10. Aortic aneurysm.	1	5	2

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[LC 1509] **SUB. CODE. 1509**

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

PAPER I -PATHOLOGY I

Q.P. CODE : 821509

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

ANSWER ALL QUESTIONS

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

1. Define cell injury its etiology, pathogenesis and morphological changes of cell injury.
2. Disorders of disturbances of body fluids.

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

1. Thrombosis
2. Cellular event in acute inflammation
3. Pathological calcification
4. Characteristics of tumors
5. Amyloidosis
6. Auto immune diseases
7. Hemorrhage
8. Healing in specialized tissue
9. Steatosis
10. Necrosis

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

1. Autolysis
2. Morphological features of gas gangrene.
3. Autocraft and isocraft
4. Acidosis
5. Diagnosis of AIDS
6. Septic shock.
7. Neovascularization
8. Stages of shock
9. Congestion
10. Reiters syndrome.

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[LD 1509] **SUB. CODE. 1509**

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

PAPER I - PATHOLOGY I

Q.P. CODE : 821509

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

ANSWER ALL QUESTIONS

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

1. Define granuloma. Its classification & Explain in detail about Leprosy with its types, Clinical feature, Morphological change & Prognosis.
2. Define Neoplasia, and explain in detail about Carcinogens, Grading of stages of Cancer.

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

1. Klinefelter's Syndrome
2. Embolism & its classification
3. Branches in pathology
4. Rhinosporidiosis
5. Primary & Secondary union
6. Cloudy swelling
7. Systemic effects of acute inflammation
8. Aneurysms & its classification
9. Systemic lupus erythematosus
10. Necrosis & its types

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

1. Dysplasia
2. Gangrene
3. Beriberi
4. Lymphoedema
5. Auto Immunity
6. Hemosiderosis
7. Stages of shock
8. Inflammation
9. Mucoid degeneration
10. Cause for cell injury.

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[LE 1509] **FEBRUARY 2014** **Sub.Code :1509**

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

PAPER I – PATHOLOGY-I

Q.P. Code : 821509

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

Answer All questions

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

1. What is shock? Write in detail about cardiogenic shock
2. Embolism and classification in detail

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

1. Metastasis
2. Edema and its types
3. Secondary union
4. Hyperaemia
5. Immune deficiency diseases
6. Endocrine amyloidosis
7. Haemorrhage and its types
8. Causes and mechanism of thrombosis
9. Infarction of spleen
10. Fatty change

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

1. Histopathology
2. Cytokines
3. Pigments of ochronosis
4. Metastatic calcification
5. Examples of auto immune disease
6. Klinefelter's syndrome
7. Types of infarction
8. Cellular events in acute inflammation
9. Tuberculosis and types
10. What is actinomycosis

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[LF 1509] **AUGUST 2014** **Sub.Code :1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY-I

Q.P. Code : 821509

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

Answer All questions

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

1. Define inflammation and write in detail about the acute inflammation.
2. Define neoplasia. Explain the classification of benign and malignant tumors. Add a note on metastasis.

II. Short Notes: **(10X5=50)**

1. Gangrene
2. Systemic lupus erythematosis
3. Syphilis
4. CVC of kidney
5. Describe how Leprosy is classified.
6. Different types of necrosis
7. Hyaline change
8. Classifications of shock
9. Amyloidosis
10. Ghon complex

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

1. Melanoma
2. Haemosiderin
3. Steatosis
4. Define infarction
5. Difference between exudate and trasudate
6. Define Grading and Staging.
7. Polycythemia
8. Acidosis clinical features
9. Apoptosis
10. Berry aneurism

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[LG 1509] **FEBRUARY 2015** **Sub.Code :1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Define Inflammation, note the types and events involved in Acute Inflammation. Explain cellular events of Acute Inflammation in detail.

2. Explain in detail about the steps and mechanisms of Wound Healing.

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

1. What is Amyloid? Classify it. Describe the pathogenesis of Amyloidodis.
2. Kleinfelter Syndrome.
3. Explain the various route of spread of cancer.
4. Describe the Patho physiology of Edema.
5. Differentiate benign and malignant cancer.
6. Tuberculosis Pathogenesis
7. Pathological calcification.
8. Shock, its pathogenisis
9. Explain the types of Gangrene.
10. Fatty liver.

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

1. Haemochromatosis.
2. Disseminated intravascular coagulation.
3. Labororaty Diagnosis of Cancer.
4. Effect of Tumor on host.
5. Fate of Thrombus.
6. Rhinosporidiosis.
7. Causes of cell injury.
8. Hyperemia.
9. Cloudy swelling.
10. Atrophy.

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[LH 1509] **AUGUST 2015** **Sub. Code: 1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer ALL questions

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

1. Define carcinogenesis.
   Explain chemical, radiation, viral carcinogenesis in detail.
2. What is shock?
   Note the types. Describe the stages of shock and explain its Pathogenesis.

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

1. Goucher Disease.
2. Turner Syndrome.
3. Explain the mechanism and process of Repair.
4. Fatty liver.
5. Define Necrosis. Explain its types in detail.
6. Pathogenesis of Thrombosis.
7. Syphilis.
8. Cellular Adaptation.
9. Differentiate Acute and Chronic inflammation.
10. What is Infarction? Discuss the causes, types, morphological features.

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

1. Actinomycosis.
2. Cell injury.
3. Cancer Cachexia.
4. Granulomatous Inflammation.
5. Fibrosis.
6. Caisson disease.
7. Cloudy swelling.
8. Type of cell Injury.
9. Amniotic fluid Embolism.
10. Mucoid degeneration.

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[LI 1509] APRIL 2016 **Sub.Code :1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Write in detail about passive hyperaemia (venous congestion).
2. Define neoplasia, write in detail about classifications of benign and malignant tumours?

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

1. Classification and etiology of leprosy.
2. Vascular events of Acute Inflammation.
3. Types and changes of gangrene.
4. Exogenous pigments.
5. Mucoid change.
6. Hypertrophy - Changes.
7. Write about actinomycosis.
8. Healing by second intention.
9. Detail about leukaemias.
10. Physical carcinogenesis.

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

1. Define haemorrage.
2. Acid base balance.
3. Diagnosis of amyloidosis.
4. Scleroderma.
5. Immunodeficiency diseases.
6. Hyperplasia.
7. Define apoptosis.
8. Hemosiderin pigment.
9. What is cytokines?
10. Types and cardinal signs of inflammation.

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[LJ 1509] **AUGUST 2016** **Sub. Code : 1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code: 821509

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

Answer **ALL** questions.

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

1. Define amyloidosis and write in detail about pathogenesis and complications?
2. What is embolism? Write briefly about thrombo embolism.

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

1. Down's syndrome.
2. Write a note on tuberculosis.
3. Explain metastasis.
4. Lymphomas.
5. Viral carcinogenesis.
6. Cellular ageing.
7. Renal edema.
8. Etiology and classification of shock.
9. Primary union.
10. Characteristics of tumours.

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

1. Tumour markers.
2. Leukocytosis.
3. Define dysplasia.
4. Fat necrosis.
5. Diet and cancer.
6. Clinical features of Syphillis.
7. Define regeneration and repair.
8. Systemic effects of chronic inflammation.
9. Write about phagocytosis.
10. Define infarctions.

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[LJ 1509] OCTOBER 2016 **Sub.Code :1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Define Cell Injury? Explain about Etiology and Pathogenesis of it.
2. Define Inflammation, types of Inflammation. Write in detail about the Chemical Mediators of Inflammation.

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

1. Pathogenesis of HIV.
2. Difference between Benign and Malignant Tumour.
3. Metaplasia.
4. Write in detail about etiology, pathogenesis and complications of Obesity?
5. Stages of Shock.
6. Amyloidosis.
7. Define Necrosis and its types.
8. Pathogenesis of Oedema.
9. Define wound healing? Write about the complications of it.
10. Pathological diagnosis of Cancer.

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

1. What is the lesions taken place in Scurvy?
2. Gaucher's disease.
3. What are Russell's bodies?
4. Name the route of Metastasis of cancer.
5. What is Hypertrophy?
6. Gangrene.
7. Cancer Cachexia.
8. Effects of Haemorrhage.
9. Cardinal signs of Inflammation.
10. Miliary Tuberculosis.

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[LK 1509] MAY 2017 **Sub.Code :1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Define Leprosy. Explain in detail about the types of Leprosy and its clinical diagnosis.
2. Define Neoplasia? Describe the pathogenesis of chemical carcinogens.

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

1. Define about Healing and the process taking place during primary and secondary wound healing.
2. Explain about Pathological Calcification.
3. Hyperaemia and Congestion.
4. Grading and Staging of Neoplasia.
5. Pitting edema and its mechanism.
6. Syphilis, its etiology, mode of transmission and stages.
7. Fatty liver and its etiopathogenesis.
8. Define about amyloidosis and explain the pathogenesis of it.
9. Difference between Exudate and Transudate.
10. Notes on etiology and pathogenesis of Embolism.

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

1. Virchow's triad.
2. Apoptotic body.
3. Miliary tuberculosis.
4. Actinomycosis.
5. Characteristics of tumour.
6. Klinefelter's syndrome.
7. Atrophy.
8. Scleroderma.
9. Acidosis and Alkalosis.
10. Fate of Thrombus.

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[LL 1509] AUGUST 2017 **Sub.Code :1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Define Shock? Explain in detail about its Etiology, pathogenesis, stages, clinical features and complications.
2. Explain in detail about Wound Healing?

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

1. Define Gangrene. Explain the types of gangrene.
2. Describe the clinical aspects of Neoplasia?
3. Define thrombosis. Add a note on its pathophysiology.
4. Pathogenesis of HIV.
5. Describe about Granulomatous inflammation.
6. Mechanism of Invasion and Metastasis of Neoplasia.
7. Name the intracellular accumulation of pigments during reversible cell injury. Add a note on accumulation of Melanin pigment.
8. Tuberculosis its clinical signs and symptoms.
9. Turner's syndrome.
10. Hypertrophy.

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

1. Brain Tumour.
2. Necrosis and its types.
3. Kwashiorkor.
4. Hyaline changes in reversible cell injury.
5. Name the Auto Immune disorders.
6. What are Free radicals?
7. Apoptosis.
8. Define Infarction.
9. Ghon's complex.
10. Triads of Reiter's syndrome.

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[LL 1509] OCTOBER 2017 **Sub. Code: 1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Define cell injury, explain the etiology, pathogenesis and Morphology of irreversible type of cell injury.
2. Define Neoplasia, Explain the difference between benign and malignant tumours its characteristic features and add a note on Route of spread of Malignant tumors.

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

1. Systemic effects and fate of acute inflammation.
2. Primary and Secondary Union.
3. Acute myeloid Leukaemia.
4. Complications of wound Healing.
5. Thrombosis and its classification.
6. Klinefelter syndrome.
7. Scleroderma and its types.
8. Metaplasia and its types.
9. Endogenous pigments.
10. Pathology of AIDS.

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

1. Teratoma.
2. Hyperaemia.
3. Carcinoma – Types.
4. Cloudy swelling.
5. Primary tuberculosis.
6. Cardinal Signs of acute inflammation.
7. Scope of Pathology.
8. Dystrophic calcification.
9. Lardaceous spleen.
10. Healing and its processes.

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[LM 1509] FEBRUARY 2018 **Sub. Code: 1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Explain in detail about wound healing, Restitution, regeneration and repair also add a note on factors modifying repair process.
2. Explain in detail about Amyloidosis, its classification, Diagnosis and morphological features of Amyloidosis.

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

1. Gangrene and its classification.
2. Fatty changes in liver, heart and Kidney.
3. Secondary pulmonary Tuberculosis and its fate.
4. Pathology of calcification.
5. Embolism and its calcification.
6. Grading and staging of cancer.
7. Leprosy and its classification.
8. Vascular events of acute inflammation.
9. CVC of spleen and changes.
10. Hypertrophy classification and morphological features.

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

1. Branches in Pathology.
2. Mucoid degeneration.
3. Apoptosis.
4. Haemosiderin.
5. Ischaemia.
6. Hemorrhage.
7. Biopsy.
8. Down’s syndrome.
9. Granuloma.
10. Tertiary stage of syphilis.

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[LM 1509] MAY 2018 **Sub. Code: 1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Define embolism and its classification and explain in detail about fat embolism.
2. Explain in detail about Oedema, its types, Pathogenesis, clinical and Morphological features. Add note on Overhydration and dehydration.

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

1. Leprosy and its different types.
2. Healing in specialized tissue.
3. Dengue Hemorrhagic fever.
4. Diagnosis of cancer.
5. Edema and its types.
6. Factors modifying repair process and its Mechanism.
7. Embolism and its classification.
8. Ischaemia its etiology, pathogenesis and effect.
9. Syphilis.
10. Autoimmune diseases.

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

1. Miliary Tuberculosis.
2. Giant Cells.
3. Congestion.
4. Metastasis.
5. Dehydration.
6. Hematoma.
7. Secondary Union.
8. Sarcoidosis.
9. Tuberculoid Leprosy.
10. Neoplasia.

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[LN 1509] OCTOBER 2018 **Sub. Code: 1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Write about etiopathogenesis of AIDS, its clinical manifestation and laboratory diagnosis.

2. Define inflammation and write about its cardinal sign and add a note on acute inflammation.

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

1. Write in detail about morphology of Reversible Cell Injury.
2. Write a note about calcification and its types.
3. What is hypertrophy? Write a note on hypertrophy changes.
4. Define Amyloidosis? Its classification?
5. Write a note on hyperemia and congestion.
6. Define Shock and its pathophysiology.
7. Write a note on Syphilis.
8. Define healing. Write about healing by primary union.
9. Contrasting feature between benign and malignant neoplasia.
10. Write about different types of neoplastic cells.

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

1. Define gangrene and its types.
2. What is cloudy swelling?
3. Define Reiter's syndrome?
4. What is Sago spleen?
5. Define Ghon's complex.
6. Write about the fate of thrombosis.
7. What is Infarct and Its types?
8. What is Kleinfelter's syndrome?
9. What is chemical carcinogens?
10. What is autoimmunity?

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[LO 1509] MAY 2019 **Sub. Code: 1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Explain in detail about the description of Lympho Sarooma and Lio myoma and add a note on laboratory diagnosis of cancer.

2. Define Thrombosis? Its types, etiopathogenesis, morphology and clinical manifestation of Thrombosis.

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

1. Write a short note on healing by secondary intention.
2. Write about actinomycosis.
3. Write a note on morphology of irreversible cell injury.
4. Factors modifying wound repair process.
5. Write about type III and IV hypersensitivity reaction.
6. Write about systemic lupus erythematous.
7. Write about fatty liver.
8. Write about down's syndrome.
9. Write about classification of leprosy.
10. Different types of necrosis.

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

1. What is Steatosis?
2. What is Haemosiderin?
3. What is CREST syndrome?
4. What is Amylodosis?
5. What are gamna gandy bodies?
6. Define embolism and its types.
7. Write the cardinal signs of inflammation.
8. What are all the inflammatory mediators?
9. What is mantoux test?
10. Write about tumour markers.

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[LP 1509] OCTOBER 2019 **Sub. Code: 1509**

SECOND B.N.Y.S. DEGREE EXAMINATION

PAPER I – PATHOLOGY - I

Q.P. Code : 821509

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

Answer All questions

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

1. Explain in detail about basic pathological mechanism in auto immune disorders and add a note on concept of dysplasia.

2. Define leprosy? Explain about the classification and clinical features and its diagnosis.

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

1. Define gangrene and its types.
2. Write about the carcinogenesis and carcinogens.
3. Write about scleroderma.
4. What are hemorrhage, types and its effects?
5. Write about the pathogenesis of AIDS.
6. Write about pathophysiology of thrombosis.
7. Define acute inflammation and its cellular events.
8. Write about tuberculosis and its types.
9. Write about grading and staging of cancer.
10. Write a note on metastasis and its routes.

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

1. What is sjogren's syndrome?
2. What is LE bodies?
3. What is virchows triad?
4. Define infarction.
5. Write about the fate of acute inflammation.
6. What is tertiary syphilis?
7. Difference between exudates and transudate.
8. What are the chemical carcinogens?
9. Write about turner's syndrome.
10. What is sarcoidosis?

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

[BNYS 0321] **MARCH 2021** **Sub. Code: 1509**

(MAY 2020 & AUGUST 2020 SESSION)
B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
PAPER I – PATHOLOGY - I
Q.P. Code : 821509

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

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

1. Define Wound healing, types and mechanism of wound healing.

2. Define Amyloidosis. Write in detail about Morphological changes in Kidney, Liver, Heart, Spleen, Alimentary tract and other organs in Amyloid conditions.

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

1. Ischemia, Etiology and Pathogenesis.
2. Shock and its classification.
3. Write about Caseous Necrosis.
4. Write note on Hemorrhage and its types
5. Etiologyof Cell Injury.
6. Write about Tuberculosis.
7. Odema and its types.
8. Chronic Inflammation.
9. Route of Spread of Malignant Tumors.
10. Write note on Atrophy.

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

1. Define Pathophysiology.
2. Types of Histopathology.
3. Functions of Mitochondria.
4. Apoptosis.
5. Define Hyperplasia.
6. Free Radicals and its types.
7. Miliary Tuberculosis.
8. Mucoid degeneration.
9. Causes of Dystrophic calcification.
10. Madura mycosis.

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

[BNYS 0322] MARCH 2022 Sub. Code: 1509
(FEBRUARY 2021 & MAY 2021 SESSIONS)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER I – PATHOLOGY - I
Q.P. Code : 821509

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

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

1. Write in detail about Amyloidosis?

2. Define Inflammation and write in detail about acute and chronic inflammation.

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

1. Calcification.
2. Write a note on Teratoma.
3. Secondary union in wound healing.
4. Pathology of tuberculosis.
5. Actinomycosis.
6. Hyperemia and congestion.
7. Embolism.
8. Grading and staging of cancer.
9. Infarction.
10. Free radical medicated cell injury.

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

1. Gas gangrene.
2. Caseous necrosis.
3. Signs of inflammation.
4. Disseminated intravascular coagulation.
5. Dysplasia.
6. Fibrosarcoma.
7. Haemochromatosis.
8. Klenifelter syndrome.
9. Fate of tubercle.
10. Haemorrhage.

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

[BNYS 0522] MAY 2022 Sub. Code: 1509
(AUGUST 2021 & OCTOBER 2021 SESSIONS)

B.N.Y.S. DEGREE EXAMINATION
SECOND YEAR
(For the candidates admitted from the academic year 2011-12)
PAPER I – PATHOLOGY - I
Q.P. Code : 821509

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

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

1. Define neoplasia, write in detail about types and classification of tumors.

2. What is shock? Write in detail about the classification and pathogenesis of shock.

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

1. Chemical mediators of acute inflammation.
2. Wound healing.
3. Pathology of leprosy.
4. Chromatosis.
5. Acute inflammation.
6. Passive congestion.
7. Syphilis and its stages.
8. Fibrinoid necrosis with diagram.
9. Note on ageing.
10. Irreversible cell injury.

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

1. Dry gangrene.
2. Madura mycosis.
3. Apoptosis.
4. Hyaline degeneration.
5. Sago spleen.
6. Turner’s syndrome.
7. Adhesion and rolling.
8. Teratoma.
9. Metaplasia.
10. Define thrombosis.

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

[BNYS 1022] OCTOBER 2022 Sub. Code: 1509
(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 I – PATHOLOGY - I
Q.P. Code : 821509

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

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

1. Define Cell injury and add a note on Etiology pathogenesis and morphological changes of cell injury.

2. Define Immunity and write in detail about the Types, pathological mechanism of Autoimmune disorders.

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

1. Write note on Syphilis.
2. Write note on Actinomycosis israeli.
3. Secondary wound healing.
4. Division of Pathology.
5. Acute inflammation add note on vascular changes.
6. Write note on Chromosomal disorders.
7. Write note on Granuloma.
8. Write about Carcinogens and Carcinogenesis.
9. Pathology of melanin pigment.
10. Factors modifying repair process.

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

1. Morphological changes of Cloudy swelling.
2. Define Necrosis.
3. Gas gangrene.
4. Ghon focus.
5. Define hypoxia.
6. Types of Dysplasia.
7. Klinefelter’s syndrome.
8. Signs of Inflammation according to Celsus and Galen.
9. Role of Hemosiderin.
10. Triple Response.

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

[BNYS 0323] MARCH 2023 Sub. Code: 1509
(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 I – PATHOLOGY – I

Q.P. Code: 821509

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

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

1. Define Cell injury. Write in detail about reversible and irreversible cell injury.

2. Define neoplasia. Explain the process of carcinogenesis and route and spread of malignant tumours.

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

1. Branches of pathology.
2. Structure of cell and its functions.
3. Fatty changes in liver.
4. Vascular and cellular phenomenon of acute inflammation.
5. Primary and secondary union of wound healing.
6. Pathology of leprosy.
7. Hyperemia and congestion.
8. Effect of tumour on host.
9. Pathology of hemoglobin.
10. Amyloidosis.

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

1. Define pathophysiology.
2. Cloudy swelling.
3. Granuloma.
4. Hemorrhage.
5. Metaplasia.
6. Biopsy.
7. Turner’s syndrome.
8. Coagulative necrosis.
9. Glycogen infiltration.
10. DIC.

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

[BNYS 0923] **SEPTEMBER 2023** **Sub. Code: 1509**
(MAY 2023 EXAM SESSION)

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

Q.P. Code: 821509

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

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

1. Define oedema. Explain in detail about the various types of oedema and its pathogenesis.

2. Explain in detail about the aetiology, pathogenesis and clinical features of Tuberculosis.

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

1. Define neoplasia. Explain about the staging and grading of tumours.
2. General features and types of chronic inflammation.
3. Pathological calcification and its classification.
4. Define necrosis and explain the various types of necrosis.
5. Note on morphology of amyloidosis of different organs.
6. Hyperaemia.
7. Apoptosis.
8. Explain steatosis.
9. Pathological diagnosis of tumours.
10. Healing of wounds by first intension.

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

1. Hyperplasia.
2. Gamna-Gandy bodies.
3. Turner syndrome.
4. Chemotaxis.
5. Fate of thrombus.
6. Hematoma.
7. Dehydration.
8. Blood picture of acute myeloid leukaemia.
9. Sago spleen.
10. Melanin like pigments.

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

[BNYS 0124] JANUARY 2024 Sub. Code: 1509
(JUNE 2023 / OCTOBER 2023 EXAM SESSIONS)

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

Q.P. Code: 821509

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

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

1. Define Inflammation. Explain in detail on Acute Inflammation and discuss its vascular and cellular events.

2. Describe about the basic pathological mechanism in autoimmune disorders.

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

1. History of Pathology.
2. Steatosis and its Pathogenesis.
3. Pathogenesis of Tuberculosis.
4. Elaborate on Wound healing.
5. Pathogenesis of AIDS.
6. Embolism and its types.
7. Write about Tumor immunology.
8. Write a note on Pigments.
9. Brief note on Laboratory diagnosis of cancer.
10. Brief note on Necrosis and Gangrene.

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

1. Define Immunology.
2. Define Forensic pathology.
3. Factors affecting Ageing.
4. Examples of Wet Gangrene.
5. Types of Leprosy.
6. Wasting syndrome.
7. Define Shock Lung.
8. What is Anaplasia?
9. What is Haemosiderosis?
10. Clinical features of Klinefelter syndrome.

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

[BNYS 1024] **OCTOBER 2024** **Sub. Code: 1509**
(JUNE 2024 EXAM SESSION)

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

Q.P. Code: 821509

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

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

1. Define wound healing and explain the mechanism involved and factors modifying repair process.

2. Define Embolism. Explain in detail about its types and Pathogenesis.

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

1. Explain the Branches of Pathology.
2. Write a note on Morphology of Reversible cell injury.
3. Write about Apoptosis and its mechanism.
4. Pathogenesis of Granuloma.
5. Pathology of Leprosy.
6. Write a note on types of Amyloidosis.
7. Route of spread of Malignant tumors.
8. Elaborate on Grading and Staging of Cancers.
9. Pathogenesis of Irreversible Decompensated shock.
10. Write a note on Endogenous pigments.

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

1. Clinical features of Down's syndrome.
2. What is Caduceus?
3. Define Dystrophic calcification.
4. Define Pyemia.
5. Define Tubercle.
6. What is Sago spleen?
7. Define Alkaptonuria.
8. What is Nutmeg liver?
9. Features of Gas Gangrene.
10. What is Cancer cachexia?

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

[BNYS 0125] **JANUARY 2025** **Sub. Code: 1509**
(OCTOBER 2024 EXAM SESSION)

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

Q.P. Code: 821509

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

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

1. Explain in detail on Pathogenesis of Reversible and Irreversible cell injury with schematic representation.

2. Explain in detail on Carcinogens and Carcinogenesis and route of spread of malignant tumors.

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

1. Write a note on Special categories of Tumors.
2. Hemorrhage and its etiology.
3. Pathology of AIDS.
4. Write about Free radical medicated cell injury.
5. Brief note on Regulation of Inflammation.
6. Pathogenesis of Thrombosis.
7. Chemical mediators of Inflammation.
8. Syphilis and its Pathophysiology.
9. Amyloidosis and its effects on internal organs.
10. Brief note on Cellular Adaptations.

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

1. Microscopic features of Caseous Necrosis.
2. What is Telepathology?
3. Define Medical Genetics.
4. Clinical features of Turner's syndrome.
5. What is Lipofuscin?
6. Types of Hypoxia.
7. What is Diver's Palsy?
8. Define Emigration.
9. Define Teratoma.
10. Define Actinomycosis.

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

[BNYS 0725] **JULY 2025** **Sub. Code: 1509**

(MAY 2025 EXAM SESSION)

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

Q.P. Code: 821509

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

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

1. Define Gangrene and explain the causes and types of Gangrene.

2. Define Amyloidosis and explain in detail about Pathogenesis, types and its complications.

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

1. Embolism and its classification.
2 Healing in fracture of bones.
3. Difference between Metaplasia and Dysplasia.
4. Morphological evolution of Tubercle.
5. Pathogenesis of AIDS.
6. Endogenous pigments.
7. Etiology of cell injury.
8. Evolution and sub divisions in Pathology.
9. Granuloma.
10. Define Leprosy. Add a note on histopathology of Leprosy.

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

1. Karyorrhexis.
2. Down syndrome.
3. Lardaceous spleen.
4. Kerley lines.
5. Diapedesis.
6. Lipofuscin.
7. Homeostasis.
8. Atrophy.
9. Pyroptosis.
10. Coagulative necrosis.

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