

APRIL 2001

[KD 1406]

B.N.Y.S. DEGREE EXAMINATION.

Second Year

Part I

(Old Regulations)

Paper I — PATHOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Answer Section A and Section B separately.

SECTION A

(GENERAL PATHOLOGY)

- 1 Explain Acute Inflammation and write in detail the cellular response and vascular changes. (10)
2. Thrombosis – Explain its etiology, effects and pathogenesis. (10)
3. Classify the tumours and write carcinogenesis in detail. (10)
4. Write short notes on : (5 × 4 = 20)
 - (a) Embolism
 - (b) Gangrene
 - (c) Fatty degeneration
 - (d) Amyloidosis
 - (e) Necrosis.

SECTION B

(SYSTEMIC PATHOLOGY)

5. Atherosclerosis – Its risk factors, atherogenesis and its complications. (10)
6. Rheumatic Heart Disease – its etiology, pathogenesis and morphological features. (10)
7. Classify Anemias and explain in detail Iron deficiency Anemia. (10)
8. Write short notes on : (5 × 4 = 20)
 - (a) Illurative collitis
 - (b) Bronchogenic carcinoma
 - (c) Wucheriria Bancrofte
 - (d) Measles
 - (e) Ascaris Lumbricoides.

NOVEMBER 2001

[KE 1406]

B.N.Y.S. DEGREE EXAMINATION.

Second Year

Part I

(Old Regulations)

Paper I — PATHOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

Answer Section A and Section B separately.

SECTION A

(GENERAL PATHOLOGY)

1. Explain in detail "Healing by primary and secondary intention". (10)
2. Define Necrosis. Write in detail the types of Necrosis with examples. (10)
3. Define Shock and write its pathogenesis and different types. (10)
4. Write short notes on : (5 × 4 = 20)
 - (a) Granuloma
 - (b) Squamous cell carcinoma
 - (c) Gangrene
 - (d) Disseminated Intra vascular coagulation
 - (e) Carcinogens.

SECTION B

(SYSTEMIC PATHOLOGY)

5. Define, write the aetiology, pathogenesis and morphological features of Bronchogenic carcinoma. (10)
 6. Explain in detail the Gastric ulcer and Peptic ulcer its Aetiology and Pathogenesis. (10)
 7. Write a note about Ischemic Heart disease and its different syndromes in detail. (10)
 8. Write short notes on : (20)
 - (a) Tetanus
 - (b) Ancylostoma – duodenale
 - (c) Different species of Staphylococcus
 - (d) Whooping cough
 - (e) Types of Aneurysms.
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MARCH 2002

[KG 1406]

B.N.Y.S. DEGREE EXAMINATION.

Second Year

Part I

(Old Regulations)

Paper I — PATHOLOGY

Time : Three hours

Maximum : 100 marks

- Note :
- (1) Answer all questions.
 - (2) Answer Section A and Section B separately.
 - (3) Draw diagrams wherever necessary.

SECTION A

GENERAL PATHOLOGY

1. Define Inflammation. Discuss the process of formation of an acute inflammatory infiltrate (exudate). (10)
2. Define Embolism. Discuss the various types of emboli. (10)
3. Discuss the differences between benign and malignant neoplasms. (10)

4. Write short notes on : (5 × 4 = 20)
 - (a) Caseation necrosis.
 - (b) Dry gangrene.
 - (c) Neutrophil.
 - (d) Cloudy swelling.
 - (e) Factors affecting healing process.

SECTION B

SYSTEMIC PATHOLOGY

5. Discuss the modes of transmission, clinical types and laboratory diagnosis of Tuberculosis. (10)
6. Classify Anaemias and explain in detail about Vit. B₁₂ deficiency anaemia. (10)
7. Name the various types of arthritis and discuss osteoarthritis in detail. (10)
8. Write short notes on : (5 × 4 = 20)
 - (a) Juvenile onset diabetes.
 - (b) Hook- worm.
 - (c) Mumps.
 - (d) Aetiology of Peptic Ulcer.
 - (e) Risk factors of Myocardial Infarction.

SEPTEMBER 2002

[KH 1406]

Sub. Code : 1406

B.N.Y.S. DEGREE EXAMINATION.

Second Year

Part I

(Old Regulations)

Paper I — PATHOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Answer Section A and Section B separately.

Draw diagrams wherever necessary.

SECTION A

(GENERAL PATHOLOGY)

1. Define Necrosis. Discuss the various types of Necrosis in detail. (10)
2. Define Degeneration. Discuss the various causes and morphological features of fatty degeneration. (10)
3. What is Neoplasia? Write in detail about the various carcinogens. (10)

4. Write short notes on : (5 × 4 = 20)
 - (a) Chemical mediators of inflammation.
 - (b) Wet gangrene.
 - (c) Macrophage.
 - (d) Healing by Secondary Union.
 - (e) Physical and Chemical causes of disease.

SECTION B

(SYSTEMIC PATHOLOGY)

5. Describe the aetiology, pathogenesis, morphological features and laboratory diagnosis of Rheumatic Heart disease. (10)
6. Describe the aetiology, clinical features and laboratory diagnosis of Iron deficiency anemia. (10)
7. Discuss the aetiopathogenesis, morphology and complications of Peptic ulcer. (10)
8. Write short notes on : (5 × 4 = 20)
 - (a) Primary complex.
 - (b) Roundworm.
 - (c) Measles.
 - (d) Aetiology of Bronchogenic Carcinoma.
 - (e) Maturity Onset Diabetes.

APRIL 2003

[KI 1406]

Sub. Code : 1406

B.N.Y.S. DEGREE EXAMINATION.

(Old Regulations)

Second Year

Part I

Paper I — PATHOLOGY

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in the SAME Answer Book.

SECTION A

(GENERAL PATHOLOGY)

1. Define neoplasia. Tabulate the differences between benign and malignant tumours. (10)
2. What are the cardinal signs of Inflammation? Discuss in detail vascular phenomenon in acute inflammation. (10)
3. What is an embolus? Mention the various types and discuss any one of them in detail. (10)

4. Write short notes on : (5 × 4 = 20)

- (a) Granuloma
- (b) Amyloidosis
- (c) Healing of an abscess
- (d) Fate of a thrombus
- (e) Chemical carcinogens.

SECTION B

(SYSTEMIC PATHOLOGY)

5. Discuss the etiology, pathogenesis and morphology of graves disease. (10)
6. What is cirrhosis? Classify and discuss about alcoholic liver disease. (10)
7. What are inflammatory bowel disease? Discuss the differences between ulcerative colitis and Crohn's disease. (10)
8. Write short notes on : (5 × 4 = 20)
 - (a) Hemophilia
 - (b) Megaloblastic anemias
 - (c) Lepromatous leprosy
 - (d) Enterobius vermicularis
 - (e) Tetanus.

[KI 1406]

OCTOBER 2003

[KJ 1406]

Sub. Code : 1406

B.N.Y.S. DEGREE EXAMINATION.

(Old Regulations)

Second Year

Part I

Paper I — PATHOLOGY

Time : Three hours

Maximum : 100 marks

Two hours and forty minutes Sec. A & Sec. B : 80 marks
for Sec. A and Sec. B

Twenty minutes for Sec. C

Section C : 20 marks

Answer Sections A and B in **SAME** Answer book.

Answer Section C in the **SEPARATE** Answer book.

SECTION A — (2 × 15 = 30 marks)

(GENERAL PATHOLOGY)

Answer **ALL** questions.

1. Define Inflammation. Discuss the vascular phenomenon and cellular events in Acute inflammation.
2. Give a pathophysiologic classification of anemias and explain the etio-pathogenesis, clinical features and laboratory investigations of iron deficiency anemia.

SECTION B — (10 × 5 = 50 marks)

Answer **ALL** questions.

3. Define necrosis and explain the different types of cell necrosis.
4. Discuss the comparison between benign and malignant tumors.
5. Write on the etio-pathogenesis and morphological stages in lobar pneumonia.
6. Describe the etio-pathogenesis of Rheumatic Fever. Explain the morphology of its cardiac lesions.
7. Explain the etiology, morphology and clinical features of Acute Cholecystitis.
8. Discuss the etiology, clinical features and CSF findings in Acute Pyogenic Meningitis.
9. Explain the etiology and pathogenesis of different types of Renal calculi.
10. Explain the etiology and morphology in secondary pulmonary tuberculosis.
11. Name the causes of hypothyroidism and explain its clinical features.
12. Describe the life-cycle of *Entamoeba histolytica* and explain the lesions in intestinal amebiasis.

APRIL 2004

[KK 1406]

Sub. Code : 1406

B.N.Y.S. DEGREE EXAMINATION.

(Old Regulations)

Second Year

Part I

Paper I — PATHOLOGY

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes

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

Answer Section A and B in **SAME** Answer Book.

SECTION A — (2 × 15 = 30 marks)

Answer **ALL** questions.

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.

SECTION B — (10 × 5 = 50 marks)

Answer **ALL** questions.

3. Name and discuss the role of Chemical mediators in Acute inflammation.
4. Give an account of healing by Primary union. Explain the factors influencing healing in general.
5. Describe the morphological types and the fate of Thrombus.
6. Name the methods of distant spread of tumors. Describe the Grading and Staging of Cancer.
7. Classify leukemias. Explain the laboratory findings in Acute leukemias.
8. Discuss the morphology of cardiac and extra-cardiac lesions in Rheumatic heart disease. What is the criteria for its diagnosis?
9. Explain the morphology and clinical features of Chronic Peptic ulcer.
10. Explain the types and etio-pathogenesis of Gall stones.
11. Name the causes and discuss the clinical features of Nephrotic syndrome.
12. Describe the life-cycle of *Ascaris lumbricoides*. How do you diagnose this infection?

AUGUST 2004

[KL 1406]

Sub. Code : 1406

B.N.Y.S. DEGREE EXAMINATION.

(Old Regulations)

Second Year

Part I

Paper I — PATHOLOGY

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

M.C.Q. Twenty minutes

M.C.Q. 20 marks

Answer Section A and B in SAME answer book.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

Essays on :

- 1. Renal failure its pathogenesis, clinical features and laboratory findings.**
- 2. Aetiology, pathogenesis, morphological features of Bronchogenic carcinoma.**

SECTION B — (10 × 5 = 50 marks)

Write short notes on :

- 3. Filariasis and its investigations**
- 4. Stress ulcers**
- 5. Diabetes mellitus, etiology and types**
- 6. Causes and types of Anaemia**
- 7. Ancylostoma – duodenale and its manifestation.**
- 8. Osteomyelitis**
- 9. Amyloidosis**
- 10. Disseminated intra vascular coagulation (DIC)**
- 11. Vascular changes in Acute inflammation.**
- 12. Gangrene.**

FEBRUARY 2005

[KM 1406]

Sub. Code : 1406

B.N.Y.S. DEGREE EXAMINATION.

(Old Regulations)

Second Year

Part I

Paper I — PATHOLOGY

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and
forty minutes

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer Section A and B in **SAME** answer book.

Answer **ALL** questions.

SECTION A — (2 × 15 = 30 marks)

1. Classify Carcinogens. Discuss the differences between Benign and Malignant tumors.
2. Explain the Etio-pathogenesis, morphology and clinical features of Rheumatic heart disease.

SECTION B — (10 × 5 = 50 marks)

3. Define gangrene and explain the different types of gangrene.
4. Discuss the methods of diagnosis for cancer.

5. Discuss the morphology and laboratory findings in pernicious anemia.

6. Discuss the etiology and morphology of chronic Gastritis.

7. Define atelectasis and describe the morphology in different types of atelectasis.

8. Discuss the different types of Urinary calculi.

9. Discuss the etiology and morphology of Nodular hyperplasia of prostate.

10. Discuss the etiology and morphology in pyogenic osteomyelitis.

11. Explain the etiology and morphology of Squamous cell carcinoma in skin.

12. Describe the life cycle of *Entomeba histolytica*. Explain the lesions in intestinal amebiasis.

AUGUST 2005

[KN 1406]

Sub. Code : 1406

B.N.Y.S. DEGREE EXAMINATION.

(Old Regulations)

Second Year

Part I

Paper I — PATHOLOGY

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
Answer ALL questions.

I Long Essay (2 × 15 = 30)

1. Mention the tumors of the stomach. Explain the etiopathogenesis, morphology and clinical features of Gastric Carcinoma.

2. Describe the etiopathogenesis, morphology, clinical features and complications of Pulmonary Tuberculosis.

II Short notes on : (10 × 5 = 50)

1. What is an embolus? Mention the various types and discuss any one of them.

2. What are the cardinal signs of inflammation? Write a note on granulomatous inflammation.

3. Describe the characteristics of malignant neoplasia.
4. Discuss the etiology, pathogenesis and clinical features of Poliomyelitis.
5. Name some congenital heart diseases. Discuss about Tetralogy of Fallot.
6. What are the lymphomas and discuss the types of lymphomas?
7. Discuss about liver abscess.
8. Explain the etiology, histologic types and clinical features of Branchogenic carcinoma.
9. What is metaplasia? Add a note on Barrett's oesophagus.
10. Describe the life cycle of *Ancylostoma duodenale* and explain its lesions.

AUGUST 2006

[KP 1406]

Sub. Code : 1406

B.N.Y.S. DEGREE EXAMINATION.

(Old Regulations)

Second Year

Part I

Paper I — PATHOLOGY

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 :

1. Describe the etio.pathogenesis of AIDS. Add a note on its laboratory diagnosis. (20)
2. (a) Differences between benign and Malignant tumours.
(b) Name the groups of Carcinogens. (11 +4)
3. Write on Inflammation under the following headings.
(a) Definition and signs
(b) Causes
(c) Types. (2 + 8 + 5)

II. Short notes on :

(6 × 5 = 30)

- (1) Etiology of fatty liver.
- (2) Differences between dry and wet gangrene.
- (3) Define atropy and write its causes
- (4) Primary union
- (5) Amoebiasis
- (6) Peptic Ulcers, Its types and Causes.