December-1990

[007]

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

Paper II - PATHOLOGY - I

(General Pathology and Haematology)

Time : Three hours Maximum : 90 marks

Answer ALL the questions

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided

Draw diagrams wherever necessary for answers in Sections A and B

SECTION A

1. Define Necrosis. Mention six types of necrosis with one example each. Describe the fate of a necrosed area. (15 marks)

2. Classify Leukaemias. Indicate the peripheral blood picture and bone marrow findings in a case of chronic myeloid leukaemia. (15 marks)

SECTION B

3. Write short notes on: (6 x 5 = 30 marks)

(a) Precancerous lesions

(b) Primary complex

(c) Teratoma

(d) Fat embolism

(e) Chemical mediators of inflammation

(f) Metaslatic calcification.

DEC. '91

[007]

SECOND M.B.B.S. DEGREE EXAMINATION

Pathology

Part I

Paper II GENERAL PATHOLOGY AND HAEMATOLOGY

Time : Three hours Maximum : 90 marks

Answer ALL the questions

Answer Sections A and B in separate Answer Books

SECTION A

1. Define and classify neoplasia. Briefly outline the differences between benign and malignant neoplasia. (15)

2. Classify haemolytic anaemias. Describe the pathogenesis and clinical course of sickle cell disease. (15)

SECTION B

3. Write short notes on: (6 x 5 = 30)

(a) Pathogenesis of edema

(b) Necrosis

(c) Turner's syndrome

(d) Chemotaxis

(e) Cell mediated hyerpsentitivity

(f) Liver in fatty change.

APRIL '92

[1007]

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 90 marks

Two and a half hours for Section A and B — Section A and B : 60 marks

Answer ALL the questions

Sections A and B should be answered in separate answer books.

Draw diagrams wherever necessary for answers in Sections A and B

SECTION A

1. Classify chemical mediators of acute inflammation. Describe how they act in vascular and cellular events of acute inflammation. (15 marks)

2. A farmer of 45 years old attended the medical out patients department for severe breathlessness. On examination severe pallor of nails and mucous membrane was noticed.

(a) What is your diagnosis? (2 marks)

(b) Discuss the etiology (3 marks)

(c) Describe briefly the laboratory invetigations to be done to arrive at a diagonsis (10 marks)

SECTION B

3. Differentiate between (2 x 5 = 10 marks)

(a) Exudate and transudate

(b) Thrombus and blood clot

Write short notes on: (4 x 5 =20 marks)

(c) Gross and microscopic features of infarct

(d) Carcinoma in situ.

(e) L.E. phenomenon

(f) Phagocytosis

SECOND M.B., B.S. EXAMINATION, JANUARY 1993.

Pathology

Part I

II — GENERAL PATHOLOGY AND HAEMATOLOGY

: Three hours. Maximum : 90 marks.

SECTION A — (2 × 15 = 30 marks)

What is thrombosis ? Describe the aetiology, patho-pathogenesis and fate of a thrombus.

Classify leukaemias. Describe the peripheral and ne marrow finding of acute lymphoblastic leukaemia.

SECTION B — (5 × 6 = 30 marks)

Write short notes on :

(*a*) Cardiac edema.

(*b*) Bone marrow changes in macrocytic anaemia.

(*c*) Vascular phenomenon in acute inflammation.

(*d*) Chemical carcinogens.

(*e*) Fungal granulomas.

(*f*) PCV estimation and its significance.

November-1993

[PR 107]

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

Part I — Pathology

Paper II — GENERAL PATHOLOGY AND HAEMATOLOGY

Time : Three hours Maximum : 90 mark

1. Separate answer books must be used for Sections A and B.

2. Section C must be answered separately on the answer sheet placed inside the question paper booklet as per the instruction on the first page.

3. Answer ALL the questions.

4. Draw diagrams wherever needed for answers in Sections A and B.

SECTION A — (2 × 15 = 30 marks)

1. Define gangrene. Mention the types of gangrene. Describe the aetiology and pathology of gas gangrene.

2. Define and classify leukemias. Describe the aetiology and peripheral blood and bone marrow picture of chronic myeloid leukemia.

[PR 107]

SECTION B — (5 × 6 = 30 marks)

3. Write short notes on :

(a) Infarction.

(b) Hamartoma.

(c) Primary complex.

(d) Childhood tumours.

(e) Von Willebrand's disease.

November-1994

[ND 512]

SECOND M.B.,B.S. DEGREE EXAMINATION.

Part I

Paper II — PATHOLOGY — I

(General Pathology and Haematology)

Time : Three hours | Maximum : 90 marks

Two and a half hours for Sections A and B | Sections A and B : 60 marks

Separate answer books must be used for Sections A and B.

Section C must be answered separately on the answer sheet placed inside the question paper booklet as per the instructions given on the first page.

Answer ALL the questions.

Draw Diagrams wherever necessary for answers in Sections A and B.

SECTION A — (2 × 15 = 30 marks)

Classify bleeding disorders. Discuss in detail the laboratory investigations of these disorders.

Define repair. Describe the repair of fracture of bone. Add a note on factors influencing healing of fracture of bone.

SECTION B — (6 × 5 = 30 marks)

Write short notes on :

(a) Cytokines.

(b) Differences between benign and malignant tumours.

(c) AIDS.

(d) Morphological disorder of leukocytes.

(e) Infarction.

(f) Turner's syndrome.

SB 512]

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

(General Pathology and Haematology)

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 90 marks

Two and a half hours for Section A and B — Section A and B : 60 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided

Answer ALL the questions

Draw diagrams wherever necessary for answers in Sections A and B

SECTION A - (2 x 15 = 30)

1. Discuss the aetiopathogenesis of Thrombosis. Whar are the types, fate and complications of Thrombosis?

2. Define Neoplasm. Discuss differences between Benign and malignant tumours. Describe the mechanism of invasion and metastasis of malignant tumours.

SECTION B (6 x 5 = 30)

3. Write short notes on:

(a) Amyloid stains

(b) Microcytic Hypochromic Anemia

(c) Dysplasia

(d) Klinefelters syndrome

(e) Lepromatous leprosy

(f) Oncogenic RNA viruses

November-1995

[MB 515]

Second M.B.B.S. Degree Examination

Part I

(New Regulations)

Paper II - PATHOLOGY I

General Pathology and Haematology

Time : Three hours Maximum : 100 marks

Two and a half an hour for sec. A and B Sec. A and B : 70 marks

1. Separate answer books must be used for Sections A and B.
2. Section C must be answered separately on the answer sheet provided.
3. Answer All the questions.
4. Draw diagrams wherever necessary.

SECTION—A (2×15=30)

1. Define inflammation. Discuss the role of chemical mediators in inflammation.
2. Classify Leukemias. Describe the peripheral blood picture and Bonemarrow findings in Acute Myeloblastic Leukemia.

SECTION—B (8×5=40)

3. Write short notes on :
   a) Embolism
   b) Fat stains
   c) Virchow's triad
   d) Miliary Tuberculosis
   e) Leukemoid reaction
   f) Healing by secondary intention
   g) Haemosiderin deposition in disease
   h) Type II hyper sensitivity

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MB 512] November-1995

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

(Old Regulations)

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 90 marks

Two and a half hours for Section A and B — Section A and B : 60 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided

Answer ALL the questions

Draw diagrams wherever necessary

SECTION A - (2 x 15 = 30)

1. Define inflammation. Discuss the role of chemical mediators in inflammation.

2. Classify Leukemias. Describe the peripheral blood picture and Bonemarrow findings in Acute Myeloblastic Leukemia.

SECTION B (6 x 5 = 30)

3. Write short notes on:

(a) Embolism

(b) Fat stains

(c) Virchow's triad

(d) Miliary Tuberculosis

(e) Leukemoid reaction

(f) Healing by secondary intention

AK 512] April-1996

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

(Old Regulations)

(General Pathology and Haematology)

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 90 marks

Two and a half hours for Section A and B — Section A and B : 60 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided

Answer ALL the questions

Draw diagrams wherever necessary for answers in Sections A and B

SECTION A - (2 x 15 = 30)

1. What is repair? Briefly discuss the process of repair.

2. Define shock. Classify shock and discuss the pathology of shock.

SECTION B (6 x 5 = 30)

3. Write short notes on:

   (a) Pneumoconiosis

   (b) Erythroblastosis fetalis

   (c) Classification of Acute myeloid Leukemia

   (d) Laboratory diagnosis of cancer

   (e) Indications of Bone marrow aspiration

   (f) Pathology of gangrene.

APRIL '97

MP 517] **Sub. Code : 4022**

SECOND M.B.B.S. DEGREE EXAMINATION

Part I

(Old Regulations)

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 90 marks

Two and a half hours for Section A and B — Section A and B : 60 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided

Answer ALL the questions

Draw diagrams wherever necessary for answers in Section A and B

SECTION A - (30 marks)

1. Classify Hemolytic Anemias. Discuss the pathogenesis morphology of sickle cell Anemia. (15)

2. Write notes on: (3 x 5 = 15)

(a) Metastasis

(b) Sex chromatin

(c) Thrombocytopenia

SECTION B - (30 marks)

3. Define Tumours. Describe the characterisitics of Benig and Malignant tumours. Discuss the mode of spread of Malignant tumours. (15)

4. Write notes on: (3 x 5 = 15)

(a) Vitamin A Deficiency

(b) Kwashiorkor

(c) Glanzman's Disease

April-1997

Sub. Code : 4022

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

Part I

Paper II — PATHOLOGY — I

(New Regulations)

Time : Three hours | Maximum : 100 marks

Two and a half hours | Section A & B : 70 marks

for Section A and B

Separate answer books must be used for Section A and B.

Section C must be answered separately on the answer sheet provided.

Answer ALL the questions.

Draw diagrams wherever necessary for answers in Section A and B.

SECTION A — (35 marks)

1. Classify Hemolytic Anemias. Discuss the pathogenesis and morphology of sickle cell Anemia. (15)

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

(a) Metastasis

(b) Sex chromatin

(c) Thrombocytopenia

(d) Hematocrit.

SECTION B — (35 marks)

3 Define Tumours. Describe the characteristics of Benign and Malignant tumours. Discuss the mode of spread of malignant tumours. (15)

Write notes on : (4 × 5 = 20)

(a) Vitamin A Deficiency

(b) Kwashiorkar

(c) Glanzman's Disease

(d) Marfan's syndrome.

October-1997

MS 522] Sub. Code : 4024

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part I

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks; Section C : 30 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided as per the instructions on the first page

Answer ALL the questions

SECTION A

1. Define and discuss the Epidemiology, Risk factors, Pathogenesis and Pathology of Atherosclerosis. (15 marks)

2. Write briefly on: (4 x 5 = 20 marks)

(a) Primary atypical pneumonia

(b) Crohn's disease

(c) Immune complex nephritis

(d) Rhabdomyo sarcoma

SECTION B

3. Discuss in detail thepathogenesis and pathology of intraepithelial lesions and describe invasive carcinoma of uterine cervix. (15 marks)

4. Write briefly on: (4 x 5 = 20 marks)

(a) F.N.A.C.

(b) Meningioma

(c) Hepatitis B

(d) Ewing's Sarcoma

October-1997

MS 520] Sub. Code : 4022

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part I

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks; Section C : 30 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided as per the instructions on the first page

Answer ALL the questions

SECTION A

1. Discuss the steps in wound healing with refernece to healing by second intention. How does this differ from healing by first intention? Whar are the factors influencing repair? (7 + 4 + 4 + = 15)

2. Write briefly on: (4 x 5 = 20 marks)

   (a) Thrombogenesis

   (b) Histologic differences between tuberculoid leprosy and lepromatous leprosy

   (c) Differences between benign and malignant tumours.

   (d) Gangrenous necrosis

SECTION B

3. Classify heamolytic anaemias. Compare the aetiopathogenesis and laboratory findings in thalassemia and sickle cell anaemia. (3 + 12 = 15)

4. Write briefly on: (4 x 5 = 20 marks)

   (a) Aplastic anaemia

   (b) Classification of acute leukaemia

   (c) Von Willebrand's disease

   (d) Disseminated intravascular coagulation

April-1998

SV 522] Sub. Code : 4024

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part I

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks; Section C : 30 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided as per the instructions on the first page

Answer ALL the questions

SECTION A

1. Discuss ulcerative lesions of small and large intestine. (15 marks)

2. Write briefly on: (4 x 5 = 20 marks)

   (a) Bronchiectasia

   (b) Urinary casts

   (c) Aetiological classification of cirrhosis of liver

   (d) Aneurysms

SECTION B

3. Classify Hodgkin's disease. Describe gross and Microscopic apperances. Add a note on its aetiothogenesis and clinical course. (15 marks)

4. Write briefly on: (4 x 5 = 20 marks)

   (a) Tuberculous osteomyelitis

   (b) Astrocytoma

   (c) Premalignant lesions of the skin

   (d) Endometriosis

April-1998

SV 520] Sub. Code : 4022

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part I

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks; Section C : 30 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided as per the instructions on the first page

Answer ALL the questions

SECTION A

1. Define and classify oedema. Discuss the aetiopathogenesis of generalised oedema. Add a note on clinical significance of cerebral and pulmonary odema. (15 marks)

2. Write briefly on: (4 x 5 = 20 marks)

(a) Granuloma

(b) Differences between Dystrophic and metastatic Classification

(c) Leukotrienes

(d) Chemical carcinogens

SECTION B

3. Define and classify anaemias. Discuss the aetiopathogenesis and describe the peripheral and bone marrow picture of Iron deficiency anaemia. (15 marks)

4. Write briefly on: (4 x 5 = 20 marks)

(a) Blood picture on chronic myeloid leukemia

(b) Agranulocytosis

(c) Prothormbin time

(d) Thrombocytopenia

NOV. '98

SM 520] Sub. Code : 4022

SECOND M.B.B.S. DEGREE EXAMINATION

Common to all Regulations

Part I

Paper II - PATHOLOGY - I

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks; Section C : 30 marks

Separate answer books must be used for Sections A and B

Section C must be answered separately on the answer sheet provided as per the instructions on the first page

Answer ALL the questions

SECTION A

1. Define necrosis. Discuss briefly the types of necrosis and describe in detail the differences between necrosis and Aproptosis. (15)

2. Write briefly on: (4 x 5 = 20)

(a) Adhesion molecules

(b) Amniotic fluid embolism

(c) Actinomycosis

(d) Idiopathic thrompocytopenic purpura

SECTION B

3. Discuss in detail how you will interpret a bone marrow and describe the bone marrow findings in galoblastic anaemias. (15)

4. Write briefly on: (4 x 5 =20)

(a) Metastatic calcification

(b) Klinefelter's syndrome

(c) Granuloma

(d) Carcinoma in situ

[SG 520] **Sub. Code : 4022**

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

(Common to all Regulations)

Part I

Paper II — PATHOLOGY — I

Time : Three hours — Maximum : 100 marks

Two and a half hours for Sec. A and Sec. B — Sec. A & Sec. B : 70 marks; Section C : 30 marks

Answer Sections A and B in separate answer books.

Section C must be answered separately on the answer sheet provided as per the instruction on the first page.

Answer ALL questions.

SECTION A — (35 marks)

1. Define and discuss the pathogenesis of thrombosis. Discuss the different types, sites of occurrence and fate of thrombi. (7 + 4 + 4 = 15)

2. Write briefly on : (4 × 5 = 20)

(a) Paraneoplastic syndromes

(b) Turner's syndrome

(c) Phagocytosis

(d) Primary complex.

SECTION B — (35 marks)

3. Classify haemorrhagic disorders. Describe the aeitiology, pathology and laboratory diagnosis of haemophilia. (5 + 10 = 15)

4. Write briefly on :

(a) Lab diagnosis of multiple myeloma.

(b) Peripheral blood smear and bone marrow in megaloblastic anaemia.

(c) PCV.

(d) Leukemoid reactions.

[KB 520] **Sub. Code : 4022**

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

(Common to all Regulations)

Part I

Paper II — PATHOLOGY — I

Time : Three hours — Maximum : 100 marks
Two and a half hours for Sec. A and Sec. B — Sec. A & Sec. B : 70 marks
Section C : 30 marks

SECTION A — (35 marks)

1. Define Neoplasia.

Describe the characteristic features of Malignant Tumors.

How do they spread in the human body? (2 + 7 + 6 = 15)

2. Write briefly on : (4 × 5 = 20)

(a) Healing of a simple bone fracture

(b) Differences between transudate and exudate

(c) Pathogenesis of Tuberculous granuloma

(d) Fat embolism.

SECTION B — (35 marks)

3. Classify Amyloidosis. Describe the staining reactors and morphology of amyloid in various organs. (4 + 5 + 6 = 15)

4. Short notes on : (4 × 5 = 20)

(a) Acute myeloid leukemia

(b) Teratoma

(c) Leikemoid reaction

(d) Chloroma.

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[KC 520] **Sub. Code : 4022**

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

(Common to all Regulations)

Part I

Paper II — PATHOLOGY — I

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

Two and a half hours for Sec. A and Sec. B. **Sec. A and Sec. B : 70 marks**
Section C : 30 marks

Separate answer books must be used for

Sections A and B.

Section C must be answered separately on the answer sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A — (35 marks)

1. Give the Pathophysiologic classification of shock and describe the morphologic changes in different organs in shock. (7 + 8 = 15)

2. Write briefly on : (4 × 5 = 20)

(a) Role of free Radicals in cell Injury.

(b) Dystrophic calcification with suitable examples.

(c) Chemical Mediators of Inflammation.

(d) Gaucher's Disease.

SECTION B — (35 marks)

3. Classify primary Immunodeficiency syndromes and describe more details about them. (5 + 10 = 15)

4. Write briefly on : (4 × 5 = 20)

(a) Tumor Markers

(b) Pancytopenia in Peripheral Blood Smear

(c) Cytochemistry in Acute Leukemias

(d) Morphology of Transplant Rejection reactions.