

October-2003

[KJ 543]

Sub. Code : 4064

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

(Non-Semester)

(Revised Regulations)

Paper IV — SYSTEMIC 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 suitable diagrams wherever necessary.

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I. Write Essay : (2 × 15 = 30)

(1) Define Emphysema. Mention the various histological types of emphysema and describe its etio pathogenesis. (15)

(2) Discuss the etio pathogenesis of carcinoma cervix. Add a note on early diagnosis of cancer cervix.

(15)

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

- (a) A Schoff's body
- (b) Chronic persistent hepatitis
- (c) Congenital megacolon
- (d) Malignant melanoma
- (e) Small cell carcinoma of lung
- (f) Renal stones
- (g) C.S.F. findings in Tuberculous and pyogenic meningitis
- (h) Ewing's Sarcoma
- (i) Hashimotos thyroiditis
- (j) Pancreatic changes in Diabetes mellitus.

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II. Short notes on . (10 × 5 = 50)

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- (a) Vesicular Mole
- (b) Immune thyroiditis
- (c) Chronic persistant hepatitis
- (d) Osteomyclitis
- (e) Pannus
- (f) Insulin Dependent Diabetes Mellitus
- (g) Wilms's Tumour
- (h) Kapasi's sarcoma
- (i) Idiopathic Thrombocytopenic purpura
- (j) Low density lipo proteins.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

1. Classify ovarian tumours, write about germ cell tumours. (15)

2. Describe the macroscopic and microscopic appearances of ulcerative colitis. Enumerate the various complications that may occur and their pathogenesis. (15)

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II. Write short notes on :

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Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay :

(2 × 15 = 30)

(1) Define and classify Glomerulonephritis.

Explain the Aetiopathogenesis, Pathology and complications of Post Streptococcal Glomerulonephritis.

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(2) Write the morphology of Atheroma.  
Enumerate the risk factors of Atherosclerosis and explain the role of lipids and endothelial injury in its pathogenesis.

- (a) Chronic active hepatitis.
- (b) Reed-Sternberg giant cells.
- (c) Pheochromocytoma.
- (d) Basal cell carcinoma.
- (e) Asbestosis.
- (f) Pleomorphic adenoma of salivary gland.
- (g) Ulcerative colitis.
- (h) Meningioma.
- (i) Cystosarcoma Phyllodes.
- (j) Granulosa cell tumor of ovary.

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Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

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

- (a) Nephroblastoma.
  - (b) Fibrocystic disease of breast.
  - (c) Aetiopathogenesis of cervical cancer.
  - (d) Morphology of liver in alcoholic cirrhosis.
  - (e) Burkitt's lymphoma.
  - (f) Bronchiectasis.
  - (g) Papillary carcinoma of thyroid.
  - (h) Giant cell tumor of bone.
  - (i) Astrocytoma.
  - (j) Hydatidiform mole.
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Answer ALL questions.

Draw suitable diagrams wherever necessary

I. Write Essay : (2 × 15 = 30)

1. Define Rheumatic fever. Discuss the Aetiopathogenesis and pathology of heart in Rheumatic heart disease.
2. Define Peptic Ulcer. Mention the sites of occurrence. Discuss Aetiopathogenesis, Pathology and complications of chronic gastric ulcer.

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

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

## **Revised (Non – Semester) Regulations**

## Paper IV — SYSTEMIC PATHOLOGY

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Theory : Two hours and forty minutes                      Theory : 80 marks

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

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**L Write Essay : (2 x 15 = 30)**

- (a) Grave's disease
  - (b) Chronic calcific pancreatitis
  - (c) Endometriosis
  - (d) Benign cystic Teratoma – Ovary
  - (e) Neurofibroma
  - (f) Enzymes in Myocardial infarction
  - (g) Early gastric cancer
  - (h) Transitional cell carcinoma–Bladder
  - (i) Carcinoid tumours of lung
  - (j) Benign prostatic hyperplasia.

**(1) Classify ovarian Tumours.**

Describe the macroscopy, microscopy and staging of Mucinous cystadenocarcinoma of OVARY.

(2) Describe the macroscopic and microscopic appearances of ULCERATIVE COLITIS.

Enumerate the various complications that may occur and their pathogenesis.

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Revised (Non-Semester) Regulations

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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 suitable diagrams wherever necessary.

I. Write essay :

(1) A 10 years old child is admitted with puffiness of face, oliguria and smoky urine. What is your diagnosis? Describe the etiopathogenesis and morphological features in the target organ. Give an account of the clinical picture and laboratory diagnosis.  
(20)

(2) Discuss the etiopathogenesis of carcinoma lung. Describe the morphology and clinical features of squamous cell carcinoma of the lung. (15)

(3) Define and classify cirrhosis. Discuss the etiopathogenesis, morphology and complications of the most common type. (4 + 4 + 4 + 3 = 15)

II. Short notes : (6 × 5 = 30)

- (a) Crescentic glomerulonephritis
- (b) Seminoma testis
- (c) Phyllodes tumour of the breast
- (d) Chronic osteomyelitis
- (e) Meningioma
- (f) Multinodular Goitre.

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## II. Short notes :

$$(6 \times 5 = 30)$$

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

## **Revised (Non-Semester) Regulations**

## Paper IV — SYSTEMIC 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 suitable diagrams wherever necessary.**

### I. Write Essay :

(1) A 15 years old boy presents with huge swelling around knee (lower end of thigh) with stretched out shiny skin. X-Ray shows bony mass in lower third of femur with soft tissue involvement and sunray appearance. Discuss the etiology, clinical features, radiological findings and morphology of the lesion. (20)

(2) Describe the pathogenesis and pathology of atherosclerosis and its complications. (15)

(3) Classify emphysema. Discuss the pathogenesis and complications of emphysema. (15)

- (a) Barrett's oesophagus.
  - (b) Oat cell carcinoma of lung.
  - (c) Alcoholic liver disease.
  - (d) Fibrocystic disease of breast.
  - (e) Renal calculi.
  - (f) Cervical intraepithelial neoplasia (CIN).

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Revised (Non-Semester) Regulations

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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

4. Short notes : (6 × 5 = 30)
- (a) Yolk sac tumor.
  - (b) Diabetic nephropathy.
  - (c) Hepato cellular carcinoma.
  - (d) Inflammatory bowel disease.
  - (e) Cardio myopathy.
  - (f) Osteo sarcoma.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Write Essay :

1. 52 year male was admitted with persistent abdominal pain, gastric distension and vomiting. He had history of loss of appetite, loss of weight and hematemesis.

- (a) What is your most probable diagnosis?
- (b) Discuss etiology.
- (c) Describe pathologic changes. (20)

2. Write etiopathogenesis and effects of ischaemic heart disease. (15)

3. Grading, staging, prognostic markers and predictive factors for invasive breast cancer. (15)

FEBRUARY 2008

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Revised (Non-Semester) Regulations

Paper IV — SYSTEMIC PATHOLOGY

Q.P. Code : 524064

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 suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

1. A 74-year-old male presented with altered bowel habits, tarry stool, loss of weight, fatigue and weakness of 6 months duration. After an endoscopic biopsy of colon, left sided Hemicolectomy was done.

- (a) What is the probable diagnosis?  
(b) Describe the etiopathogenesis and morphology of the target organ involved.

2. Define and classify cirrhosis? Describe the etiopathogenesis, morphology and complications of alcoholic cirrhosis.

II. Short notes on : (10 × 5 = 50)

- (a) Acute Respiratory Distress Syndrome.
- (b) Warthin tumor
- (c) Seminosma
- (d) Hemochromatosis
- (e) Rapidly progressive Glomerulonephritis
- (f) Prostatic Intraepithelial Neoplasia (PIN)
- (g) Hashimoto's Thyroiditis
- (h) Paget's Disease of Bone
- (i) Basal Cell Carcinoma
- (j) Meningioma.