

NOVEMBER 2001

[KE 1506]

Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

(New Regulations)

Paper I — GENERAL AND SYSTEMIC PATHOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the molecular basis of cancer with special emphasis on the role of oncogenes and oncosuppressor genes. (25)
 2. Classify testicular tumours. Describe their clinicopathological features and discuss their diagnosis and prognosis. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Mechanism of action of radiation injury
 - (b) Neuroendocrine tumours of lung
 - (c) Morphological changes in diabetes mellitus
 - (d) Pathogenesis of lupus erythematosus
 - (e) Pre-neoplastic lesions of gastrointestinal tract including those of oral cavity and oesophagus.
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MARCH 2002

[KG 1506]

Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

(New Regulations)

Paper I — GENERAL AND SYSTEMIC PATHOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss aetiology, gross and microscopic features of lesions under chronic obstructive pulmonary disease.
(25)
 2. Enumerate precancerous lesions. Describe gross pathology and behaviour of oropharyngeal carcinoma.
(25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Diet and cancer.
 - (b) Enumerate causes of ulcerative lesions of intestine.
 - (c) Pathogenesis of oedema in congestive cardiac failure and renal diseases.
 - (d) Solitary thyroid nodule.
 - (e) Pattern and significance of reactive hyperplasia of lymph node.
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APRIL 2003

[KI 1506]

Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

(New Regulations)

Paper I — GENERAL AND SYSTEMIC PATHOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Mention classification and aetiopathogenesis of glomerulonephritis. (25)
 2. Describe aetiology, pathology and complications of Atherosclerosis. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Risk factors in breast carcinoma
 - (b) Enumerate causes of ulcerative lesions of intestine
 - (c) Pathophysiology of cardiogenic shock
 - (d) Pattern and significance of reactive hyperplasia of lymph node
 - (e) Describe fate of a Thrombus.
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OCTOBER 2003

[KJ 1506]

Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

(New Regulations)

Paper I — GENERAL AND 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

M.C.Q. must be answered **SEPARATELY** on the Answer Sheet provided as per the instructions on the first page of M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

1. Describe the etipathogenesis and various gross microscopic types of carcinoma breast. (15)
2. Discuss the various mediators of inflammation.(15)
3. Write short notes on : (10 × 5 = 50)
 - (1) Necrosis.
 - (2) Cell injury.
 - (3) Edema.
 - (4) Type IV hypersensitivity reaction.

- (5) Microscopic kidney changes in SLE.
- (6) Apoptosis.
- (7) Leibman-Sacks Endocarditis.
- (8) Acute Respiratory Distress Syndrome (ARDS).
- (9) Phagocytosis.
- (10) HLA typing.

AUGUST 2004

[KL 1506]

Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

(New Regulations)

Paper I — GENERAL AND SYSTEMIC 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.

Draw suitable diagrams wherever necessary.

I. Essay :

(2 × 15 = 30)

(1) Describe the etiopathogenesis, gross and microscopic features of gastric carcinoma.

(2) Define edema, classify edema and write briefly about pulmonary edema.

II. Write short notes on :

(10 × 5 = 50)

- (a) Thrombosis.**
- (b) Apoptosis.**
- (c) Free radical injury.**
- (d) Rheumatic fever.**
- (e) Cirrhosis liver.**
- (f) Teratoma.**
- (g) Phagocytosis.**
- (h) Osteoclastoma.**
- (i) Basal cell carcinoma.**
- (j) Wilm's tumour.**

FEBRUARY 2005

[KM 1506]

Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

(New Regulations)

Paper I — GENERAL AND 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 diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Discuss the role of oncogenes in carcinogenesis. Describe the techniques used in diagnosis of Neoplasia.

(2) Discuss aetiopathogenesis, pathology and complications of Rheumatic Heart Disease.

II. Write short notes : (10 × 5 = 50)

- (a) Kidney changes in Diabetes Mellitus
- (b) Crohn's disease
- (c) Enzymatic fat necrosis
- (d) Coal worker's pneumoconiosis

(e) Cytokines

(f) Alcoholic liver disease

(g) Paraneoplastic syndrome

(h) Membranous inflammation

(i) Air embolism

(j) Classify ovarian tumours. Write in brief on yolk sac tumour.

MARCH 2006

[KO 1506]

Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

Paper I — GENERAL AND 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 diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Enumerate the etiology of shock. Discuss the pathogenesis, morphology and clinical course of septic shock.

(2) Discuss the etiopathogenesis, pathology and complications of myocardial infarction.

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

- (a) Apoptosis
- (b) Tumour suppressor genes
- (c) Amniotic fluid embolism
- (d) Morphology of kidney in hypertension
- (e) Barrett's esophagus
- (f) Ewing's Sarcoma
- (g) Centriacinar emphysema
- (h) Auto-immune thyroiditis
- (i) Cervical intraepithelial neoplasia (CIN)
- (j) Testicular tumours of germ cell origin.

SEPTEMBER 2006

[KP 1506]

Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

(New Regulations)

Paper I — GENERAL AND 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 diagrams wherever necessary.

I. Essay :

(1) Define Nephrotic syndrome. Enumerate the causes of nephrotic syndrome. Discuss the aetiopathogenesis and morphology of kidney in membranous glomerulonephritis and minimal change disease? (20)

(2) Define thrombus. Discuss in detail about thrombogenesis and add a note on fate of a thrombus. (15)

(3) List various chemical mediators of inflammation. Discuss their role in the pathogenesis of inflammation. (15)

II. Write short notes :

(6 × 5 = 30)

- (a) Aetiology of bronchiectasis.
 - (b) Endometrial hyperplasia.
 - (c) Choriocarcinoma
 - (d) Chronic active hepatitis
 - (e) Biological carcinogens
 - (f) Giant cell tumor of bone.
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[KQ 1506] MARCH 2007 Sub. Code : 3008

**DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.**

Paper I — GENERAL AND SYSTEMIC PATHOLOGY

(Common to candidates admitted from 1993-94 onwards
and candidates admitted from 2004-05 onwards)

(New Regulations)

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.

Draw suitable diagrams wherever necessary.

I. Essay :

1. Classify tumors of Lung. Discuss in brief
neuroendocrine tumors. (20)

2. Aetiopathogenesis of multi organ system failure.
(15)

3. Classify endocarditis. Discuss about the
aetiopathogenesis and complications of Libman Sack's
endocarditis. (15)

II. Write short notes :

(6 × 5 = 30)

- (a) Krukenberg tumor.
 - (b) Seminoma.
 - (c) Free radical injury.
 - (d) Gaucher's disease.
 - (e) Tumor suppressor genes.
 - (f) Stains used for amyloid.
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MARCH 2008

[KS 1506]

Sub. Code : 3008

DIPLOMA IN CLINICAL PATHOLOGY EXAMINATION.

Paper I — GENERAL AND SYSTEMIC PATHOLOGY

(Common to all regulations)

Q.P. Code : 343008

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Essay : (2 × 20 = 40)

(1) 57 male presenting with cough, weight loss, chest pain, dyspnoea and haemoptysis of 3 months duration. He is having painful bony lesions, paralysis of recurrent nerve. (20)

- (a) What is your diagnosis?
- (b) Discuss etiopathogenesis.
- (c) Write the pathologic changes.

(2) 8 year child develops fever, malaise, nausea, oliguria and smoky urine 1-2 weeks after recovery from a sore throat. (20)

- (a) What is your diagnosis?
- (b) Discuss etiopathogenesis.
- (c) Write pathologic changes and immuno fluorescence and electron microscopic findings.

II. Write short notes on : (10 × 6 = 60)

- (1) Chemical mediators of inflammation.
 - (2) Biochemical and molecular basis of Mendelian disorders.
 - (3) Molecular basis of multistep carcinogenesis.
 - (4) Deficiencies of factor VIII-VWF complex.
 - (5) Pulmonary alveolar proteinosis.
 - (6) Community acquired atypical pneumonias.
 - (7) Classify odontogenic cysts and tumors and discuss.
 - (8) Inflammatory bowel disease.
 - (9) Pathophysiology of jaundice.
 - (10) Prostatic carcinoma.
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September 2008

[KT 1506]

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY EXAMINATION.

**Paper I – GENERAL AND SYSTEMIC PATHOLOGY
(Common to all candidates)**

Q.P. Code : 343008

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. 55 years old male presenting with weight loss, abdominal pain, anorexia, vomiting and altered bowel habits.
 - (a). What is your diagnosis?
 - (b). Discuss etiopathogenesis.
 - (c). Write the pathologic changes.
2. 35 years old male presenting with upper abdominal pain, malaise, fatigue, weight loss, abdominal fullness. Patient is also having jaundice, fever, gastro intestinal bleeding.
 - (a). What is your diagnosis?
 - (b). Discuss etiopathogenesis.
 - (c). Write the pathologic changes.

II. Write short notes on :

(10 X 6 = 60)

1. Discuss in detail about apoptosis.
 2. Pathogenesis, Pathology, Lab diagnosis and complications of myocardial infarction.
 3. Idiopathic pulmonary fibrosis.
 4. Mesothelioma.
 5. Carotid body tumor.
 6. Germ cell tumor.
 7. Nephrotic syndrome.
 8. Prognostic and predictive factor of breast cancer.
 9. Classify bone tumor and discuss.
 10. Write WHO classification of ovarian tumor and discuss.
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MARCH -2009

[KU 1506]

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY EXAMINATION.

Paper I – GENERAL AND SYSTEMIC PATHOLOGY

(Common to all candidates)

Q.P. Code : 343008

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. A 49 year male complains of distension of abdomen, anorexia, swelling in breast. He gives history of chronic alcoholism on examination, found to have ascites, massive splenomegaly and testicular atrophy.
 - a. What is probable diagnosis?
 - b. Discuss the Etiopathogenesis.
 - c. What are the complications?
2. A 48 year female complains of postmenopausal, irregular vaginal bleeding for 6 months. She gives history of her marriage at the age of 14 years and multiple pregnancies. PAP smear shows abnormal cells.
 - a. What is your diagnosis?
 - b. Discuss the etiopathogenesis.
 - c. Discuss the value of PAP smear in the Management of the case.

II. Write short notes on : (10 X 6 = 60)

1. Paraneoplastic syndromes.
2. Laboratory diagnosis of cancer.
3. Down syndrome.
4. Prognostic factors in carcinoma of breast.
5. Good pastures syndrome.
6. Multiple endocrine neoplasia.
7. Malabsorption syndrome.
8. Carcinoid tumors.
9. Paget's disease of bone.
10. Pathology of diabetes mellitus.

March 2010

[KW 1506

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY EXAMINATION

Paper I – GENERAL AND SYSTEMIC PATHOLOGY

(Common to all candidates)

Q.P. Code : 343008

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions :

(2 x 20 = 40)

1. 50 yrs. old male, chronic smoker, complains of sudden substernal chest pain, radiating to shoulder. Laboratory investigations reveal hyperlipidemia.
 - a. What is the probable diagnosis? **(2)**
 - b. Discuss the etiopathogenesis of the condition. **(6)**
 - c. What are the morphologic features in the main organ affected? **(6)**
 - d. Discuss the laboratory investigations in detail. **(6)**
2. Define neoplasia. Discuss the molecular basis of malignant neoplasms and the various diagnostic procedures done for the diagnosis of cancer. **(2+8+10)**

II. Write short notes on :

(10 x 6 = 60)

1. Chemical carcinogenesis.
2. Delayed hypersensitive reaction.
3. Pathology of amyloidosis.
4. Various types of necrosis.
5. Pathogenesis of atherosclerosis.
6. Down syndrome.
7. Differences between Crohn's disease and ulcerative colitis.
8. Pathogenesis and pathology of hepatoblastoma.
9. Classify bone tumours and discuss the pathology of osteosarcoma.
10. Crescentic glomerulonephritis.

APRIL 2011

[KY 1506]

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP)

EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code : 343008

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss in detail about the pathology of opportunistic infections in HIV infection.	11	35	15
2. Classify polyps of the intestine and discuss in detail about their morphology and premalignant potential.	11	35	15

II. Write notes on :

1. Endothelial and leukocyte adhesion molecules.	4	10	7
2. Structure of amyloid.	4	10	7
3. Tumor angiogenesis.	4	10	7
4. Prognostic factors of neuroblastic tumors.	4	10	7
5. Factors influencing wound healing.	4	10	7
6. ANCA associated vasculitis disorders.	4	10	7
7. Bronchioloalveolar carcinoma.	4	10	7
8. Cystic neoplasms of pancreas.	4	10	7
9. Membranoproliferative glomerulonephritis.	4	10	7
10. Inflammatory myopathies.	4	10	7

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

**Time: 3 hours
(180 Min)**

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. A Third trimester pregnant lady presented with swollen bluish legs,sudden chest pain and died on the way to hospital. a.What is your probable diagnosis?(3) b.Etiopathogenesis and morphology of leg lesions.(6) c.Describe the lesions in the heart and lungs (6)	16	35	15
2. Classify Polyps of Intestine and Discuss about Hereditary Polyposis Syndromes.	16	35	15

II. Write notes on:

1. Role of Endothelial cells in Inflammation.	4	10	7
2. Describe the sex linked disorders.	4	10	7
3. Structure of Amyloid.	4	10	7
4. Occupational cancers.	4	10	7
5. Primary Aspergillosis.	4	10	7
6. Vegetations in endocarditis.	4	10	7
7. Polycystic disease of Kidney	4	10	7
8. Pathogenesis of Acute Pancreatitis.	4	10	7
9. Endometrial Hyperplasia.	4	10	7
10. Posterior fossa tumours.	4	10	7

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION**GENERAL AND SYSTEMIC PATHOLOGY****Q.P. Code: 343008****Time: 3 hours
(180 Min)****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on:**

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Describe chemical mediators of inflammation.	16	35	15
2. A 21 year old male presented with relapsing bloody diarrhea, migratory polyarthritis and continuous ulcers in colon. A. what is your likely diagnosis? (3) B. Describe gross and microscopic features.(6) C. Describe etiopathogenesis and extra intestinal lesions.(6)	16	35	15

II. Write notes on:

1. Hyper coagulable state	4	10	7
2. Trisomies.	4	10	7
3. Type II hypersensitivity Reaction diseases.	4	10	7
4. Obesity related disorders.	4	10	7
5. Atypical Mycobacterial lesions.	4	10	7
6. Phyllodes tumor.	4	10	7
7. Aortic dissection.	4	10	7
8. Crystal related nephropathies.	4	10	7
9. Cystic Neoplasms of Pancreas.	4	10	7
10. Medullary carcinoma of Thyroid.	4	10	7

**DIPLOMA IN CLINICAL PATHOLOGY (D.C.P) EXAMINATION
GENERAL AND SYSTEMIC PATHOLOGY**

Q.P. Code: 343008

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Define Neoplasia and discuss about growth factors and genes in the development of cancer.
2. A 12 year old female presented with fleeting joint pains, pericardial friction rubs and gave past history of sore throat.
 - a. What is your probable diagnosis?
 - b. Describe the diagnostic criteria and etiopathogenesis.
 - c. Describe the pathology of cardiac lesions.

II. Write notes on:

(10X7=70)

1. What are the factors influencing repair?
2. Red infarcts.
3. Gene mutations.
4. Pathology of CMV infections.
5. Neuroblastoma.
6. Alcoholic Steatohepatitis.
7. Maltomas.
8. Testicular biopsy in male infertility.
9. Papillary neoplasms of Breast.
10. Fibro osseous tumors of Bone.

[LE 1506]

APRIL 2014

Sub. Code: 3008

**DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION
GENERAL AND SYSTEMIC PATHOLOGY**

Q.P. Code :343008

Time: Three Hours

Maximum : 100 marks

I. Elaborate on:

(2 X 15=30)

1. 23/M sustained multiple fractures of long bones with soft tissue hematoma in an accident. CT brain shows no hematoma. On the fourth day he developed Dyspnoea and fall up blood pressure and subsequently he died.
 - a. What is the probable Diagnosis?(3)
 - b. Describe the Pathophysiology of the condition.(6)
 - c. Describe the various Organ changes and Diagnostic Tests.(6)
2. Classify Nephrotic Syndrome. Discuss in detail about the Pathophysiology and Pathology of the Kidney Lesions.

II. Write notes on:

(10 X 7 = 70)

1. Interleukins.
2. Pathogenesis of Autoimmune Disorders.
3. X-linked Recessive Genetic Disorders.
4. Effects of Smoking on Lungs.
5. Fungal infections in Renal Transplant Patients.
6. Myocardial Vegetations.
7. Pathogenesis of Gall Stones.
8. MEN Syndromes.
9. Nasal polyps.
10. H. Pylori gastritis.

[LF 1506]

OCTOBER 2014

Sub. Code: 3008

**DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION
GENERAL AND SYSTEMIC PATHOLOGY**

Q.P. Code :343008

Time: Three Hours

Maximum : 100 marks

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

1. Define apoptosis. Enumerate examples of apoptosis. Discuss the mechanisms and morphological changes of apoptosis.
2. Discuss the aetiopathogenesis and morphology of bronchial asthma.

II. Write notes on: **(10 x 7 = 70)**

1. Cellular ageing.
2. Chemokines.
3. Septic shock.
4. Familial hypercholesterolemia.
5. Paraneoplastic syndromes.
6. Dilated cardiomyopathy.
7. Small cell carcinoma of lung.
8. Paget's disease of breast.
9. Wilson's disease.
10. Endometrial hyperplasia.

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code : 343008

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Classify hypersensitivity reactions and discuss in detail the mechanisms involved in Type I hypersensitivity.
2. A 45 year old alcoholic male gives history of sudden onset of abdominal pain radiating to the back. Biochemical investigations revealed elevated serum amylase.
What is your diagnosis?
What is the etiopathogenesis, morphology and sequelae of the condition?

II. Write notes on:

(10 x 7 = 70)

1. Fibrous dysplasia.
2. Pathogenesis of Type I diabetes.
3. Graves disease.
4. Phyllodes Tumour.
5. Opportunistic infections in AIDS.
6. Klinefelter syndrome.
7. Endometriosis.
8. Pathologic calcification.
9. Granulomatous inflammation.
10. Pulmonary embolism.

[LI 1506]

APRIL 2016

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code :343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. 13 / F Rashes over the face, fever and pain in the knees, hips, wrists, elbows and shoulders. Laboratory investigations shows anemia, thrombocytopenia and elevated ANA.
 - a. What is the most probable diagnosis?
 - b. Write about the laboratory tests to be done.
 - c. Discuss the pathogenesis and morphology.
2. Classify immunodeficiency syndromes. Write about Acquired Immunodeficiency Syndrome (AIDS).

II. Write notes on:

(10 x 7 = 70)

1. Extracellular matrix.
2. Neurogenic shock.
3. Genomic imprinting.
4. Lymphatic filariasis.
5. Hormonal replacement therapy.
6. Sacrococcygeal teratoma.
7. Hypertensive heart disease.
8. Mycosis fungoides.
9. Verrucous carcinoma.
10. Cardiac myxoma.

[LJ 1506]

OCTOBER 2016

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code :343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. 35 / M known alcoholic with sudden chest discomfort, nausea and palpitation.
 - a. What is the probable diagnosis?
 - b. Describe the pathophysiology of the condition.
 - c. Describe the morphology and laboratory tests.
2. Classify Autoimmune disorders. Discuss the pathophysiology and laboratory diagnosis of Systemic Lupus Erythematosus.

II. Write notes on:

(10 x 7 = 70)

1. Direct Immunohistochemistry.
2. Leukocyte function defects.
3. Anti dsDNA antibody.
4. Diagnosis of vasculitis.
5. Non infective bacterial endocarditis
6. Hereditary colon cancer syndromes.
7. Opportunistic fungal infection and their diagnosis.
8. Nephroblastoma.
9. Nephrolithiasis.
10. Diagnosis of liver nodules.

[LK 1506]

MAY 2017

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code :343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify mediators of inflammation and discuss the role of arachidonic acid metabolites in inflammation.
2. 60/m presented with altered bowel habits, weight loss and anaemia with a palpable mass in right iliac fossa. What is your probable diagnosis? Discuss the etiopathogenesis, morphology and predisposing conditions.

II. Write notes on:

(10 x 7 = 70)

1. Wilms tumour.
2. Rickets.
3. Fungal sinusitis.
4. Tumour markers.
5. Autoantibodies in SLE.
6. Complications of myocardial infarction.
7. Silicosis.
8. Warthin tumour.
9. Paget's disease of bone.
10. Diabetic nephropathy.

[LL 1506]

OCTOBER 2017

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code :343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the etiology, pathology and complication of atherosclerosis.
2. 57 male presenting with cough, weight loss, chest pain, dyspnoea and hemoptysis of 3 months duration, He is having painful bony lesions paralysis of recurrent nerve.
 - a) What is your diagnosis?
 - b) Discuss etiopathogenesis.
 - c) Write the pathologic changes.

II. Write notes on:

(10 x 7 = 70)

1. Adhesion molecules in inflammation.
2. Acute phase reactants.
3. Types of collagen and their significance.
4. Mechanism of edema formation.
5. Gene tracking.
6. Classify rejection reactions and describe pathology of acute rejection.
7. Pathogenesis of falciparum malaria.
8. Bioterrorism.
9. Prognostic markers in hepatocellular carcinoma.
10. Kidney in SLE.

[LM 1506]

MAY 2018

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code :343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Define edema. Classify edema and write briefly about pulmonary edema.
2. 8 year old child develops fever, malaise, nausea, oliguria and smoky urine for 1-2 weeks after recovery from a sorethroat.
 - a) What is your diagnosis?
 - b) Discuss etiopathogenesis.
 - c) Write pathologic changes, immunoflourescence and electron microscopic findings.

II. Write notes on:

(10 x 7 = 70)

1. Recent advances in pathology of epithelial tumors of ovary.
2. Paraneoplastic syndrome.
3. Shock lung.
4. Papillary Carcinoma thyroid.
5. HLA Typing.
6. Microscopic variants of osteogenic sarcoma.
7. Dystrophin.
8. Reed Sternberg cells.
9. Prions.
10. Discuss childhood CNS tumors.

[LN 1506]

OCTOBER 2018

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. 32/F post LSCS. Developed acute dyspnea 2nd post operative day on mobilization and subsequently died.
 - a. What is the probable diagnosis?
 - b. Describe the pathophysiology.
 - c. Enumerate the various organ changes and diagnostic tests.
2. Classify testicular tumours. Describe nonseminomatous germ cell tumors with emphasis on morphology and laboratory diagnosis.

II. Write notes on:

(10 x 7 = 70)

1. Chemotaxis.
2. Wound healing.
3. Marfans syndrome.
4. Auto immunity.
5. Familial breast cancer.
6. Special stains for H.Pylori.
7. Meningioma.
8. Type IV hypersensitivity.
9. Seminoma.
10. Small round cell tumours.

[LO 1506]

MAY 2019

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Define thrombosis. Discuss in detail about thrombogenesis and add a note on fate of thrombus.
2. 45 year old male presenting with weight loss, abdominal pain, anorexia, vomiting and altered bowel habits
 - a) What is your diagnosis?
 - b) Discuss etiopathogenesis.
 - c) Write the pathological changes.

II. Write notes on:

(10 x 7 = 70)

1. Granulomatosis with polyangitis.
2. Morphological changes in diabetes mellitus in kidney.
3. Free radical injury.
4. Diet and cancer.
5. Acute respiratory distress syndrome.
6. Cytokines.
7. Morphological changes in chronic hepatitis.
8. Medullary carcinoma of thyroid.
9. Dilated cardiomyopathy.
10. Malignant melanoma.

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 32/M had severe cut injuries in his foot from broken glass pieces as he was walking barefoot in the beach. He developed pain and swelling of his foot with high fever. The fever continued to rise and he developed tachycardia, tachypnoea. He was brought to the hospital with partial clouding of consciousness. On examination, he had cold and clammy skin, low blood pressure.
 - a. What is the probable diagnosis?
 - b. Elaborate on the pathogenesis of the same
 - c. Elaborate the morphological changes in the various organs in this condition.
 - d. Describe the clinical course and complications associated with this condition.
2. Define nephrotic syndrome. Elaborate on the pathophysiology of nephrotic syndrome. Write briefly about the laboratory investigations in a case of nephrotic syndrome.

II. Write notes on:

(10 x 7 = 70)

1. Vitamin D
2. Hamartomatous polyps of the intestine
3. Infective endocarditis
4. Pheochromocytoma
5. Complement system in inflammation
6. Cytogenetic disorders involving the sex chromosomes
7. Aneurysms of aorta
8. Emphysema
9. Classification of leprosy. Elaborate on lepromatous leprosy
10. Opportunistic infections of lung in an immunocompromised patient

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 40 years old male presented with history of fever, vomiting and diarrhea, temperature was 108°f , weak rapid pulse, hypotension, tachypnoea, cold clammy cyanotic skin, blood culture revealed gram negative bacterial infection
 - a. What is your diagnosis?
 - b. Pathogenesis of this condition.
 - c. Discuss the stages of progression of this disease.
2. Discuss the methods of laboratory diagnosis of cancer. Add a note on tumor markers.

II. Write notes on:

(10 x 7 = 70)

1. Reperfusion injury.
2. Difference between ulcerative colitis and crohn's disease.
3. Medulloblastoma.
4. Hashimoto's thyroiditis.
5. Down's syndrome.
6. Non caspase dependent apoptosis.
7. Opportunistic fungal infection.
8. Diabetic nephropathy.
9. Premalignant lesions of skin.
10. Seminoma of testis.

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify Ovarian Tumours. Discuss serous Tumours of Ovary.
2. 55 Year old chronic smoker, presents with retrosternal chest pain ,nausea and sweating. What is the most probable diagnosis? Discuss etiopathogenesis, morphological changes in the organ and the laboratory diagnosis.

II. Write notes on:

(10 x 7 = 70)

1. Retinoblastoma Gene.
2. Cystic Diseases of the Kidney.
3. Autophagy.
4. Types of Necrosis.
5. Acute Phase Reactants.
6. Pathogenesis of Amyloidosis.
7. Graft Versus Host Disease.
8. Fetal Hydrops.
9. Non Alcoholic Fatty Liver Disease.
10. Hypeparathyroidism.

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

(DCP 0522)

MAY 2022

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. 45 /Male a known diabetic admitted with sudden chest pain, dyspnoea and excessive sweating.
 - a) What is the probable diagnosis?
 - b) Discuss the pathogenesis & morphology of the condition.
 - c) Enumerate the complications.
2. 25 /F with rashes over the face, fever, arthralgia and pancytopenia with elevated ana
 - a) What is the probable diagnosis?
 - b) Discuss the pathogenesis & Morphology.
 - c) Write the laboratory investigations.

II. Write notes on:

(10 x 7 = 70)

1. ARDS.
2. Nephrolithiasis.
3. Papillary carcinoma thyroid.
4. Yolk sac tumor.
5. Apoptosis: Causes and Morphology.
6. Causes & Morphology of vegetations of heart.
7. Prognostic features of carcinoma breast.
8. Alcoholic Liver Disease.
9. Gleason's grading of prostatic carcinoma.
10. Granulomas.

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

(DCP 1022)

OCTOBER 2022

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 65/M came with complaints of Chest Pain, sweating and difficulty in breathing.
What is your probable Diagnosis? Elaborate on the Investigations to confirm the Diagnosis. Describe the Morphological changes and complications of this condition.
2. Describe in detail the Cellular Events of Acute Inflammation.

II. Write notes on:

(10 x 7 = 70)

1. Aspergillosis.
2. Alcoholic Steatohepatitis.
3. Wilm's Tumour.
4. Gaucher Disease.
5. Barrett's Oesophagus.
6. Hashimoto's Thyroiditis.
7. Silicosis of Lung.
8. Mechanisms of Apoptosis.
9. Giant Cell Tumour of Bone.
10. Obesity and its Complications.

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

(DCP 1223)

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 3008

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Aetiopathogenesis and complications of atherosclerosis.
2. 60 year old alcoholic male, presents with jaundice, loss of weight, ascites and gynaecomastia. What is the probable diagnosis? Discuss aetiopathogenesis and complications.

II. Write notes on:

(10 x 7 = 70)

1. Pleomorphic Adenoma.
2. Lupus nephritis.
3. Apoptosis - Causes and Morphology.
4. Type III Hypersensitivity Reactions.
5. Pathogenesis of Acute Pancreatitis.
6. Endometriosis.
7. Granulomatous inflammation.
8. Tumor markers.
9. Turner syndrome.
10. Hashimoto thyroiditis.
