

APRIL - 2001

[KD 522]

M.D. (Siddha) DEGREE EXAMINATION

Second Year

(Old/New Regulations)

Branch V — Noinadal

Paper I — NOINADAL NAVEENAMURAIGAL

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Define Shock. Discuss in detail the etiopathogenesis of various type of shock (20)
- 2 Write briefly on any FIVE of the following : (5 × 6 = 30)
 - (a) Differences between benign and malignant neoplasms.
 - (b) Chemical Mediators of Inflammation
 - (c) Fatty change
 - (d) Pathophysiology of Edema.
 - (e) Mechanisms of wound healing
 - (f) Type IV Hypersensitivity reaction
 - (g) Laboratory diagnosis of neoplasia

3. Define Anaemia. Classify it and discuss in detail the etiopathogenesis, pathology and laboratory diagnosis of iron deficiency anaemia. (20)

4 Write short notes on any FIVE of the following (5 × 6 = 30)

- (a) Aneurysm.
- (b) Gastric carcinoma.
- (c) Chronic Hepatitis.
- (d) Infective Endocarditis
- (e) Haematological picture in Megaloblastic anaemia.
- (f) Ulcerative Colitis.
- (g) Hepatocellular Carcinoma

NOVEMBER - 2001

[KE 522]

M.D. (Siddha) DEGREE EXAMINATION

(Old/New Regulations)

Second Year

Branch V — Noinadal

Paper I — NOINADAL NAVEENA MURAIGAL

Time : Three hours

Maximum : 100 marks

Answer ALL the questions

1. Define Embolism. Discuss the etiopathogenesis and pathology of different types of Embolism. (20)

2 Write briefly on any FIVE of the following : (5 × 6 = 30)

- (a) Fat Necrosis**
- (b) Chemical Mediators of inflammation**
- (c) Chemical Carcinogens**
- (d) Pathology of Leprosy**
- (e) Mechanisms of wound healing**

(f) Septic shock

(g) Laboratory diagnosis of Neoplasia

3. Discuss in detail the etiopathogenesis, pathology and tissue changes in Rheumatic Heart Disease. Add a note on its complications and diagnosis. (20)

4 Write briefly on any FIVE of the following : (5 × 6 = 30)

- (a) Pathology of Aneurysms**
- (b) Emphysema**
- (c) Chronic Hepatitis**
- (d) Peptic ulcer disease**
- (e) Renal Calculi**
- (f) Causes of iron deficiency anaemia**
- (g) Bronchogenic carcinoma**

MARCH - 2002

[KG 522]

M.D. (Siddha) DEGREE EXAMINATION

Second Year

(Old/New Regulations)

Branch V — Noi Nadal

Paper I — NOI NADAL NAVEENAMURAIGAL

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Define Shock. Discuss the etiopathogenesis of various types of shock. Add a note on the morphological changes in the organs in a case of shock. (20)
2. Write briefly on any FIVE of the following :
(5 × 6 = 30)
 - (a) Apoptosis
 - (b) Heterotopic Calcification
 - (c) Phagocytosis
 - (d) Chemical carcinogens
 - (e) Pathology of Leprosy
 - (f) Mechanisms of wound healing
 - (g) Differences between benign and malignant neoplasms.

3. Discuss in detail the etiopathogenesis, pathology and the tissue changes in Rheumatic Heart Disease. Add a note on its complications and diagnosis. (20)

4. Write briefly on any FIVE of the following :
(5 × 6 = 30)

- (a) Tissue changes in myocardial infarction
- (b) Emphysema
- (c) Pathology of Aneurysms
- (d) Risk factors for Gastric Carcinoma
- (e) Crohns Disease
- (f) Etiopathogenesis of Cirrhosis
- (g) Nephrotic syndrome.

SEPTEMBER - 2002

[KH 522]

M.D. (Siddha) DEGREE EXAMINATION

(New/Revised Regulations)

Second Year

Branch V - Noi Nada!

Paper I — NOI NADAL – NAVEENA MURAIGAL

Time : Three hours

Maximum : 100 marks

Write briefly on any FIVE of the following :
(5 × 10 = 50)

1. Discuss in detail etiopathogenesis of fatty change with organ changes.
2. Classify Chemical Mediators of Inflammation
Discuss the role of complement system in inflammation
3. Define Granuloma. Discuss the etiopathogenesis of granulomatous inflammation with examples.
4. Discuss in detail the Laboratory Diagnostic methods for Neoplasia.
5. Define Amyloid. Discuss the etiopathogenesis of Amyloidosis with organ changes.
6. Discuss Opportunistic infections

7. Discuss the pathophysiology of pulmonary embolism.

Write briefly on any FIVE of the following :
(5 × 10 = 50)

8. Discuss in detail the risk factors and recent concept in the pathogenesis of Atherosclerosis.
9. Classify Tumours of Lung. Discuss the etiopathogenesis and pathology of Squamous cell carcinoma lung.
10. Discuss in detail the pathogenesis of Acid Peptic Disease of stomach with clinical features.
11. Discuss the etiopathogenesis of Inflammatory Bowel Disease. Enumerate the differences between Crohns disease and Ulcerative Colitis.
12. Define Chronic Hepatitis. Classify it. Discuss the pathology of Chronic Active hepatitis.
13. Discuss the etiopathogenesis and pathology of Adult Respiratory Distress syndrome.
14. Discuss the pathology of Biliary Cirrhosis

APRIL - 2003

[KI 522]

Sub. Code : 2154

M.D. (SIDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL — NAVEENAMURAIGAL

Time : Three hours

Maximum : 100 marks

Answer Section A and B in SAME answer sheet.

SECTION A — (5 × 10 = 50 marks)

Write briefly on any FIVE of the following :

1. Discuss in detail the various types of necrosis with clinical examples.
2. Define Embolism. Discuss the various types of embolism with clinical features.
3. Discuss the mechanism of formation of Granulation Tissue and its role in healing.
4. Discuss in detail about the Paraneoplastic syndromes.
5. Discuss the etiopathogenesis of Autoimmune Disorders. Add a note on the Laboratory Diagnosis of Systemic Lupus Erythematosus.

6. Discuss in detail the mechanism of Chemical Carcinogenesis with examples.

7. Discuss Type IV Hypersensitivity reaction.

SECTION B — (5 × 10 = 50 marks)

Write briefly on any FIVE of the following :

8. Discuss in detail the risk factors and tissue changes in Acute Myocardial Infarction.

9. Classify Chronic obstructive pulmonary disorders. Discuss the etiopathogenesis and pathology of Bronchial Asthma.

10. Discuss in detail the etiopathogenesis of Gastric Carcinoma.

11. Malabsorption syndromes.

12. Define Cirrhosis. Discuss the etiopathogenesis and pathology of Alcoholic Cirrhosis.

13. Discuss the various immunopathological mechanisms of glomerular injury.

14. Define Jaundice. Discuss the various causes with a note on Hereditary Hyperbilirubinemias.

OCTOBER - 2003

[KJ 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinaldal

Paper I — NOINADAL — NAVEENAMURAIGAL

Time : Three hours

Maximum : 100 marks

1. (a) Discuss in detail the etiopathogenesis, pathology of Tuberculosis. Differentiate Primary and Secondary Tuberculosis. Add a note on the laboratory investigations for Tuberculosis. (5 + 5 + 5 + 5)

Or

(b) Discuss in detail the Etiopathogenesis of Autoimmune Disorders and discuss the pathology of Systemic Lupus Erythematosus in detail. (8 + 12 = 20)

2. Write short notes on any FIVE of the following : (5 × 6 = 30)

- (a) Haemolytic disease of new born.
- (b) Phagocytosis.
- (c) Morphological forms of Acute inflammation.
- (d) Paraneoplastic syndromes.
- (e) Pulmonary embolism.
- (f) Fatty change.
- (g) Scurvy.

3. (a) Classify Ovarian tumours. Discuss the pathology of germ cell tumours of ovary. (5 + 15)

Or

(b) Discuss in detail the Immunopathogenesis of Glomerular injury. Add a note on the pathology and clinical manifestations of Membranous Glomerulonephritis. (12 + 8 = 20)

4. Write short notes on any FIVE of the following : (5 × 6 = 30)

- (a) C.S.F. findings in Meningitis.
- (b) Osteosarcoma.
- (c) Hashimoto's Thyroiditis.
- (d) Acute Pancreatitis.
- (e) Bronchiectasis.
- (f) Infective Endocarditis.
- (g) Chronic Hepatitis.

APRIL - 2004

[KK 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL — NAVEENAMURAIGAL

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 ALL the questions.

SECTION A

Long Essay :

(2 × 15 = 30)

1. Define Neoplasia. Enumerate the differences between benign and malignant neoplasms. Discuss in detail chemical carcinogenesis.
2. Discuss in detail the aetiopathogenesis, risk factors, pathology and complications of Atherosclerosis.

SECTION B

Short notes :

(10 × 5 = 50)

3. Apoptosis.
4. Fatty change.
5. Fracture healing.
6. Pathophysiology of Edema.

7. Transplant rejection.
 8. Primary tuberculosis.
 9. Infective endocarditis.
 10. Causes and complications of peptic ulcer.
 11. Bronchial asthma.
 12. Chronic hepatitis.
-

AUGUST - 2004

[KL 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V – Noinadal

Paper I — NOINADAL — NAVEENAMURAIGAL

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 ALL the questions.

SECTION A — (2 × 15 = 30 marks)

Long Essay :

- 1. Define Inflammation. Discuss in detail the role of Chemical mediators in acute inflammation.**
- 2. Define Cirrhosis. Classify it. Discuss in detail the ethiopathogenesis, pathology and complications of Alcoholic Liver disease.**

SECTION B — (10 × 5 = 50 marks)

Short notes :

- 3. Types of Necrosis with clinical examples.**
- 4. Pathologic calcification.**

5. Pulmonary embolism.

6. Septic shock.

7. Differences between benign and malignant neoplasms.

8. Causes for malabsorbtion.

9. Risk factors for atherosclerosis.

10. Emphysema

11. Etiopathogenesis of Gastric Carcinoma.

12. Cerebrospinal fluid picture in meningitis.

FEBRUARY - 2005

[KM 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL – NAVEENAMURAIGAL

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 ALL questions.

SECTION A — (2 × 15 = 30 marks)

Essay :

1. Define shock.

List the causes of shock.

Discuss the pathogenesis of the septic shock.

**Add a note on the organ changes and clinical
features of shock. (15)**

**2. Define Ischaemic Heart Disease. Enumerate the
risk factors. Discuss in detail the pathogenesis,
pathology, organ changes and complications of Acute
Myocardial Infarction. (15)**

SECTION B — (10 × 5 = 50 marks)

Short notes :

- 3. Fatty change liver.**
- 4. Phagocytosis.**
- 5. Factors influencing wound healing.**
- 6. Chemical carcinogens.**
- 7. Pneumonia.**
- 8. Radiation injury.**
- 9. Chronic Hepatitis.**
- 10. Aneurysms of aorta.**
- 11. Etiopathogenesis of autoimmune disorders.**
- 12. Fat embolism.**

AUGUST - 2005

[KN 522]

Sub. Code : 2154

M.D. (SIDHA) DEGREE EXAMINATION.

Second Year

Branch V – Noinadal

Paper I – NOINADAL – NAVEENAMURAIGAL

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. Define Inflammation. Enumerate the cellular events of acute inflammation. Discuss in detail chemotaxis and Phagocytosis. (15)

2. Define Cirrhosis. Classify Cirrhosis. List out the causes of Cirrhosis. Discuss in detail the pathogenesis, pathology and complications of alcoholic liver disease. (15)

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

- 1. Types of Necrosis with examples.**
- 2. Differences between benign and malignant neoplasms.**
- 3. Factors influencing wound healing.**
- 4. Septic shock.**
- 5. Risk factors for atherosclerosis.**
- 6. Opportunistic infections.**
- 7. Causes for Anaemia.**
- 8. Transplant rejection.**
- 9. Chemical carcinogens.**
- 10. Lobar pneumonia.**

FEBRUARY - 2006

[KO 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL — NAVEENAMURAIGAL

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. Define a neoplasm. Mention the diagnostic procedures to diagnose a cancer. Give examples of paraneoplastic syndromes. (15)

2. Describe the structure of a glomerulus, including the electron microscopic appearance. Mention the names of immune complex glomerulonephritis. Add a note on the latest diagnostic procedures in the above case. (15)

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

1. Renal calculus.
2. Dysgerminoma.
3. Fibrocystic disease of breast.
4. Ameloblastoma.
5. Tuberculous meningitis.
6. Hashimoto's thyroiditis.
7. LE cell.
8. Virchow's triad.
9. Megaloblast.
10. Down's syndrome.

AUGUST - 2006

[KP 522]

Sub. Code : 2154

M.D. (SIDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL — NAVEENAMURAIGAL

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. (a) Pulmonary Embolism.

(b) Emphysema.

(10 + 10 = 20)

2. Define Neoplasia. Enumerate the differences between benign and malignant neoplasms. Discuss in detail the role of chemical carcinogens in neoplasia. (15)

3. Define Atherosclerosis. Enumerate the risk factors for atherosclerosis. Discuss in detail the pathogenesis and pathology. Add a note on the complications. (15)

II. Write briefly on the following :

(6 × 5 = 30)

1. Granulomatous Inflammation.

2. Metaplasia.

3. Transplant rejection.

4. Malabsorption syndromes.

5. Aschoff nodule.

6. Meningitis.

MARCH - 2007

[KQ 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinaldal

Paper I — NOINADAL — NAVEENAMURAIGAL

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 Ischaemic Heart Disease. Discuss in detail the etiopathogenesis and pathology of Acute Myocardial Infarction. Add a note on its complications and laboratory diagnosis. (20)

2. Discuss in detail the etiopathogenesis and pathology of Alcoholic liver disease. (15)

3. Define Anaemia. Classify the causes. Discuss in detail Iron deficiency anaemia. (15)

II. Short notes :

(6 × 5 = 30)

1. Apoptosis.
 2. Factors influencing wound healing.
 3. Transplant rejection.
 4. Septic shock.
 5. Primary Tuberculosis.
 6. Chemical carcinogens.
-

March-2008

[KS 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL — NAVEENAMURAIGAL

Q.P. Code : 322154

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 20 = 40)

1. Discuss in detail the etiopathy, immunopathogenesis and pathology of infection by Human Immunodeficiency Virus. Add a note on the laboratory diagnosis.

2. Define a thrombus. Discuss the aetiopathogenesis of thrombus. Add a note on its complications.

II. Write briefly the following : (10 × 6 = 60)

1. Rickets.

2. Arachidonic acid metabolites.

3. Paraneoplastic syndromes.

4. Septic shock.
5. Metaplasia.
6. Pulmonary Embolism.
7. Types of Lymphoma.
8. Vesicular Mole.
9. Carcinoid syndrome.
10. Ewings tumour.

September-2008

[KT 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL – NAVEENAMURAIGAL

Q.P. CODE : 322154

Time : Three hours

Maximum : 100 marks

Answer ALL questions

I. Long Essay : (2 × 20 = 40)

1. Define Inflammation. Discuss the various cellular events in acute Inflammation with a note on defects in leucocytic function. (20)

2. Define Anaemia. Classify it. Discuss in detail the etiopathogenesis, pathology and laboratory diagnosis of Iron Deficiency Anaemia. (20)

II. Short notes : (10 × 6 = 60)

1. Heterotopic Calcification.

2. Apoptosis.

3. Chemical carcinogens.

- 4. Primary Tuberculosis.**
- 5. Mechanisms of wound healing.**
- 6. Risk factors in Atherogenesis.**
- 7. Infective Endocarditis.**
- 8. Chronic Hepatitis.**
- 9. Gastric Carcinoma.**
- 10. Bronchiectasis.**

March - 2009

[KU 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL — NAVEENAMURAIGAL

Q.P. Code : 322154

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 20 = 40)

**1. Interpret the importance of Testicular biopsies.
Discuss the germ cell tumour of testis.**

**2. Discuss the role of immuno fluorescence as tool in
diagnostic pathology.**

II. Write short notes : (10 × 6 = 60)

1. Thyroid Malignancies.

2. LE cell.

3. REAL classification of Lymphoma.

4. Electron microscopic appearance of Glomerulus.
5. Small round cell tumours.
6. Dissecting aneurysms.
7. Exostosis.
8. CIN.
9. Panacoast tumour.
10. Pathogenesis of septic shock.

September - 2009

[KV 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL — NAVEENAMURAIGAL

Q.P. Code : 322154

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Long Essay : (2 × 20 = 40)
1. Define Neoplasia. Discuss the various type of carcinogens and the mechanism of carcinogenesis in detail.
 2. Define and classify Cirrhosis. Discuss in detail the etiopathogenesis and pathology of alcoholic Cirrhosis. Add a note on the post mortem findings in patient who died of alcoholic cirrhosis.
- II. Short Notes : (10 × 6 = 60)
1. Fatty change.
 2. Heterotopic Calcification.

3. Chemotaxis.
4. Pathophysiology of Edema.
5. Primary Tuberculosis.
6. Healing of fracture of bone.
7. Chemical Mediators of Inflammation.
8. Infective Endocarditis.
9. Bronchial Asthma.
10. Ulcerative Colitis.

September 2010

[KX 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noinadal

Paper I — NOINADAL – NAVEENAMURAIGAL

Q.P. Code : 322154

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 20 = 40)

1. Define inflammation. Discuss in detail cellular events in acute inflammation.
2. Classify tumors of lung. Discuss in detail etiopathogenesis and pathology of squamous cell carcinoma of lung.

II. Short notes : (10 × 6 = 60)

1. Fate of thrombus.
2. Apoptosis.

3. Primary amyloidosis.
4. Difference between benign and malignant tumors.
5. Radiation carcinogenesis.
6. Erythroblastosis fetalis.
7. Neuroblastoma.
8. Renal cell carcinoma.
9. Premalignant lesions of skin.
10. Human papilloma virus infections.

October 2011

[KZ 522]

Sub. Code: 2154

DOCTOR OF MEDICINE (M.D.) SIDDHA DEGREE EXAMINATION

SECOND YEAR

BRANCH V - NOINADAL

PAPER I – NOINADAL - NAVEENAMURAIGAL

Q.P. Code : 322154

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

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Write in detail about the definition, vascular and cellular events, regulations, morphological changes, systemic effects and fate of Acute inflammation.	11	35 min.	20
2. Write briefly on definition, etiopathogenesis and clinical effects of Atherosclerosis.	11	35 min.	20

II. Write notes on :

1. Deference between Apoptosis and Necrosis.	4	10 min.	6
2. Write detail about Phagocytosis.	4	10 min.	6
3. "COLD" Antibody AIHA.	4	10 min.	6
4. Pathological changes in Myocardial Infarction.	4	10 min.	6
5. Chemical and physical carcinogenesis.	4	10 min.	6
6. Morphological changes of lobar pneumonia.	4	10 min.	6
7. Gout.	4	10 min.	6
8. Nephrotic syndrome.	4	10 min.	6
9. Blood transfusion.	4	10 min.	6
10. Types of Gangrenes with examples.	4	10 min.	6

April 2012

[LA 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch V — Noi Nadal

Paper I — NOI NADAL (PATHOLOGY)

(NAVEENA MURAIGAL)

Q.P. Code : 322154

Time : Three hours (180 minutes)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :	Pages	Time	Marks
1. Define shock. etiopathogenesis, classifications, stages and complications of "Shock".	(Max.) 11	(Max.) 35 min.	(Max.) 20
2. Write in details about <i>Neoplasia</i> .	11	35 min.	20
II. Write notes on :			
1. Hypersensitivity and immunity in tuberculosis.	4	10 min.	6
2. Differences between ALL and AML.	4	10 min.	6
3. Transplant rejection.	4	10 min.	6
4. Cellular adaptations.	4	10 min.	6
5. Chronic inflammations.	4	10 min.	6
6. Write about COPD.	4	10 min.	6
7. Secondary hypertension.	4	10 min.	6
8. Hyperaemia and congestion.	4	10 min.	6
9. Classifications of chronic gastritis.	4	10 min.	6
10. Malignant melanoma.	4	10 min.	6

[LB 522]

Sub. Code : 2154

M.D. (SIDDHA) DEGREE EXAMINATION – OCTOBER 2012

Second Year

Branch V — Noi Nadal

Paper I — NOI NADAL (PATHOLOGY) (NAVEENA MURAIGAL)

Q.P. Code : 322154

Time : 180 minutes

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :	Pages	Time	Marks
1. Define repair. Write briefly about surgical wound healing and factors involving in the healing.	(Max.) 11	(Max.) 35 min.	(Max.) 20
2. Define and classify cirrhosis. Describe the etiopathogenesis and pathology of alcoholic liver disease.	11	35 min.	20
II. Write notes on :			
1. Necrosis.	4	10 min.	6
2. Oncogenes.	4	10 min.	6
3. Tetralogy of Fallot.	4	10 min.	6
4. Berry aneurysm.	4	10 min.	6
5. Investigations of Iron deficiency Anemia.	4	10 min.	6
6. Pneumonia.	4	10 min.	6
7. Urolithiasis.	4	10 min.	6
8. Dysplasia.	4	10 min.	6
9. Pheochromocytoma.	4	10 min.	6
10. Osteomyelitis.	4	10 min.	6

[LC 522]

SUB CODE : 2154

M.D. (SIDDHA) DEGREE EXAMINATION – APRIL 2013

SECOND YEAR

BRANCH – V NOI NADAL

PAPER I – NOI NADAL (PATHOLOGY)

(NAVEENA MURAIGAL)

Q.P.Code : 322154

Time : 3 hours

Maximum: 100 marks

I. Long Essay :

(2x20=40)

1. Define Neoplasia. Describe the features of a malignant neoplasm.
Enumerate the differences between a benign and malignant tumour.
What are the common routes of spread of a tumour? Enlist the common carcinogens associated with neoplasia.
2. A 60 year old chronic alcoholic was admitted to the surgical ward with complaints of hematemesis. On examination he was emaciated with moderate ascitis, prominent veins on the surface of abdomen. Spleen was palpable, liver not palpable. He was an alcoholic for the past 20 years.
What is your clinical diagnosis? What are the other differential diagnosis you can think of? Describe the various etiological factors associated with this condition. Discuss the pathogenesis, gross and microscopic features of liver in this condition. Enlist the complications associated with this condition.

II. Short Notes:

(10x6=60)

1. Enumerate the various chemical mediators in inflammation and their role.
2. Pulmonary Edema.
3. Chemical Carcinogenesis
4. Classification of Hansen's disease
5. Angina Pectoris.
6. Pathology Emphysema
7. Predisposing factors for Gastric Carcinoma
8. Type IV Hypersensitivity reaction.
9. Urine Examination findings in a case of Acute glomerulonephritis.
10. Process of healing of a clean surgical wound.

[LD 522]

SUB CODE : 2154

M.D. (SIDDHA) DEGREE EXAMINATION – OCTOBER 2013

SECOND YEAR

BRANCH – V NOI NADAL

PAPER I – NOI NADAL (PATHOLOGY)

(NAVEENA MURAIGAL)

Q.P.Code : 322154

Time : 3 hours

Maximum: 100 marks

I. Long Essay :

(2x20=40)

1. Define Shock. Enumerate the various causes for Shock. Discuss in detail the pathogenesis of Septic shock. Describe the various organ changes in a case of Shock.
2. A 52 year old male was seen in the casualty with complaints of severe chest pain with increased sweating and restlessness. On examination he was conscious, afebrile, Pulse rate 110/mt regular, blood pressure 90/70mm of Hg. There was a past history of Angina pectoris. He was on irregular treatment.

What is your clinical diagnosis? (2). What are the other differential diagnosis you can think of? (3). Describe the various risk factors associated with this condition (5). Discuss the gross and microscopic features of heart in this condition (6). Enlist the various laboratory investigations you can do to confirm diagnosis (4).

II. Short Notes:

(10x6=60)

1. Granulomatous inflammation.
2. Pathologic Calcification
3. Type I Hypersensitivity reaction.
4. Primary Tyberculosis.
5. Causes and complications of Aneurysms
6. Acid Peptic Disease
7. Predisposing factors for Bronchogenic carcinoma
8. Laboratory diagnosis of cancer
9. Role of peripheral smear study in diagnosis of Anaemia.
10. Alcoholic Liver disease.

[LE 522]

APRIL 2014

Sub.Code :2154

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

Branch V – Noi Nadal

Paper – I : NOI NADAL (PATHOLOGY)

(NAVEENA MURAIGAL)

Q.P. Code : 322154

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(2 X 20 = 40)

1. Define thrombosis. Discuss the aetiopathogenesis and morphology of thrombus. Add a note on the fate of thrombus.
2. Discuss the Aetiopathogenesis and types of Bronchogenic carcinoma.

II. Write Notes on:

(10 X 6 = 60)

1. FAB classification of acute myeloid leukemia.
2. Pathologic calcification.
3. Turner Syndrome.
4. Polycystic Kidney disease.
5. Alcoholic Cirrhosis.
6. Philadelphia chromosome.
7. Osteogenic sarcoma.
8. Disseminated intravascular coagulation.
9. Type I hypersensitivity.
10. Gross and microscopic appearance of Benign Gastric Ulcer.

M.D.(SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH V – NOI NAADAL

PAPER I – NOI NAADAL (PATHOLOGY)

(Naveena Muraigal)

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write about the causes, clinical features, mode of spread and complication of neoplasms?
2. Define Hypertensive Heart disease. Discuss Congestive heart failure.

II. Write Notes on:

(10 x 6 = 60)

1. Phagocytosis and killing.
2. Erythroblastosis foetalies.
3. Hermophroditism.
4. Fibroadenoma of breast.
5. Hereditary Spherocytosis.
6. Cholelithiosis.
7. Crohn's disease.
8. Acute Pancreatitis.
9. Congenital anamolies of Urinary tract.
10. Osteomyelitis.

**M.D. (SIDDHA) DEGREE EXAMINATION
SECOND YEAR
BRANCH V – NOI NAADAL
PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are carcinogens? Write in detail on chemical carcinogenesis. Add a note on lab diagnosis of cancer.
2. Define and classify cirrhosis. Discuss alcoholic liver disease.

II. Write Notes on:

(10 x 6 = 60)

1. Cervical intraepithelial neoplasia.
2. Pheochromocytoma.
3. Hereditary spherocytosis.
4. Agranulocytosis.
5. Apoptosis.
6. Hemophilia.
7. Amniotic fluid embolism.
8. Infective endocarditis.
9. Types of emphysema.
10. Type III hypersensitivity.

**M.D. (SIDHA) DEGREE EXAMINATION
SECOND YEAR
BRANCH V – NOI NAADAL**

**PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define shock. Write the classification of shock and discuss the pathogenesis of septic shock. Describe the morphology of organs affected by shock.
2. Discuss the risk factors, pathogenesis and complications of atherosclerosis.

II. Write Notes on:

(10 x 6 = 60)

1. Stages of lobar pneumonia.
2. Granulation tissue.
3. Modes of spread of malignant tumours.
4. Osteoclastoma.
5. Gross and microscopic appearance of peptic ulcer.
6. Renal cell carcinoma.
7. Down syndrome.
8. Laboratory diagnosis of multiple myeloma.
9. Megaloblastic anemia.
10. Amyloidosis.

[LI 2154]

APRIL 2016

Sub.Code :2154

**M.D.(SIDDHA) DEGREE EXAMINATION
SECOND YEAR**

BRANCH V – NOI NAADAL

**PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define and classify anemias. Discuss the aetiopathogenesis, peripheral smear and bone marrow picture in iron deficiency anemia.
2. Describe the etiopathogenesis and histologic types of carcinoma breast.

II. Short Notes on:

(10 x 6 = 60)

1. Tumors of kidney.
2. Idiopathic thrombocytopenic purpura.
3. Lepromatous leprosy.
4. Respiratory distress syndrome.
5. Classification of amyloidosis.
6. Fate of thrombus.
7. Hodgkin's lymphoma.
8. Malabsorption syndrome.
9. Gall stones.
10. Inborn errors of Metabolism.

**M.D.(SIDDHA) DEGREE EXAMINATION
SECOND YEAR**

BRANCH V – NOI NAADAL

**PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Apoptosis and explain the mechanism of apoptosis.
2. Write in detail the pathogenesis, morphology and lab diagnosis of multiple myeloma.

II. Short Notes on:

(10 x 6 = 60)

1. Explain atrophy with examples.
2. Mechanisms of generation of free radicals.
3. Differentiate exudates from transudate.
4. What are cytokines – give examples?
5. Antinuclear antibodies in SLE.
6. Define Amyloid – give examples.
7. Blood and marrow features in Pernicious Anaemia.
8. Define Cirrhosis and enumerate various types of Cirrhosis.
9. What are the features of Nephrotic syndrome? Mention two important causes of nephrotic syndrome.
10. Morphology of Pannus and Rheumatoid Nodule.

[LK 2154]

MAY 2017

Sub.Code :2154

**M.D.(SIDDHA) DEGREE EXAMINATION
SECOND YEAR**

BRANCH V – NOI NAADAL

**PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define necrosis and write in detail the morphological patterns of necrosis.
2. Secondary Pulmonary Tuberculosis – Pathogenesis and complications.

II. Short Notes on:

(10 x 6 = 60)

1. Explain metaplasia with two examples.
2. Enumerate free radical scavenging enzymes.
3. Metastatic calcification.
4. Chemotaxis of leukocytes.
5. Role of granulation tissue in wound healing.
6. Role of Fine Needle aspiration Cytology in diagnosis of cancer.
7. What is Primary Myelofibrosis?
8. Etiopathogenesis of Carcinoma stomach.
9. Chronic Pyelonephritis.
10. Joint Lesions in Gout.

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH V – NOI NAADAL

PAPER I – NOI NAADAL (PATHOLOGY)

(Naveena Muraigal)

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define oedema and explain the pathogenesis of various types of oedema.
2. Define Osteoporosis and explain the pathogenesis and complications.

II. Short Notes on:

(10 x 6 = 60)

1. Morphology of caseous necrosis.
2. Role of callus in healing of fractures.
3. What are tumour suppressor genes?
4. H.pylori in the evolution of cancers.
5. Pathogenesis of β - thalassemia.
6. Pathogenesis of pernicious anaemia.
7. Morphology of myocardial infarcts.
8. Intracellular microbial destruction by phagocytes.
9. Chromosomal alteration and facial profile of Down's syndrome.
10. Explain carcinogenicity of UV- rays.

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH V – NOI NAADAL

PAPER I – NOI NAADAL (PATHOLOGY)

(Naveena Muraigal)

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Inflammation. Classify the chemical mediators of inflammation. Discuss in detail the role of the complement system, prostaglandins and cytokines in acute inflammation.
2. A 25 year old businessman was involved in a major road traffic accident. He had multiple injuries and was bleeding profusely. He was taken to the casualty. He was in a stupor. His blood pressure was 80/40mm of Hg, pulse rate 128/mt and was feeble. He died while examination. What is the clinical condition? What are the other causes for shock? Describe in detail the pathogenesis of this condition. Discuss the various organ changes seen in this condition.

II. Short Notes on:

(10 x 6 = 60)

1. Fatty change of Liver.
2. Viral Oncogenesis.
3. Type II Hypersensitivity reaction.
4. Factors influencing wound healing.
5. Apoptosis.
6. Pathways of spread of a tumour.
7. Cellular ageing.
8. Autoimmune disease.
9. Congestive cardiac failure.
10. Goiter.

[LN 2154]

OCTOBER 2018

Sub. Code: 2154

**M.D. (SIDDHA) DEGREE EXAMINATION
SECOND YEAR**

BRANCH V – NOI NAADAL

**PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain about the Malignant Lymphomas?
2. A 24 year old female presents with complaints of fever, joint pain with appearances of rashes in her face. She had a similar episode two months back. What is your provisional clinical diagnosis? Describe in detail the etiopathogenesis. Describe the renal manifestation of this condition. What are the haematological abnormalities that can occur in this condition? Mention two laboratory test done to confirm the diagnosis.

II. Short Notes on:

(10 x 6 = 60)

1. Phagocytosis.
2. Pathophysiology of oedema.
3. Chemical carcinogenesis.
4. Factors influencing wound healing.
5. Primary Tuberculosis.
6. Paraneoplastic syndromes.
7. Pancreatitis.
8. Cytogenetic disorders.
9. Chemical and drug injuries.
10. Reynaud's disease.

[LO 2154]

MAY 2019

Sub. Code: 2154

**M.D. (SIDDDHA) DEGREE EXAMINATION
SECOND YEAR
BRANCH V – NOI NAADAL
PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Neoplasm. How will you differentiate a benign and malignant neoplasms. Enlist the various pathways of spread of a tumour. Discuss in detail the molecular mechanism of oncogenesis.
2. A 60 year old female presented to the casualty with difficulty in breathing with a marked swelling of the left lower limb. She underwent a major surgery was bedridden for some weeks. What is your likely clinical diagnosis? Discuss in detail the etiology and pathogenesis of thrombosis. Enlist the common sequelae of thrombosis.

II. Short Notes on:

(10 x 6 = 60)

1. Pathologic calcification.
2. Type IV hypersensitivity reaction.
3. Chronic granulomatous inflammation.
4. Morphological patterns of acute inflammation.
5. Amyloidosis.
6. Factors influencing wound healing.
7. Protein energy malnutrition.
8. Respiratory distress syndrome.
9. Splenomegaly.
10. Urolithiasis.

[LP 2154]

OCTOBER 2019

Sub. Code: 2154

**M.D. (SIDHA) DEGREE EXAMINATION
SECOND YEAR
BRANCH V – NOI NAADAL
PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define inflammation. Classify the chemical mediators of inflammation. Discuss in detail the role of complement system, prostaglandins and cytokines in acute inflammation.
2. A 68 year old female presented to the casualty with difficulty in breathing with a marked swelling of the left lower limb. She underwent a major surgery was bedridden for some weeks.
 - a) What is your likely clinical diagnosis?
 - b) Discuss in detail the etiology and pathogenesis of thrombosis.
 - c) Enlist the common sequelae of thrombosis.

II. Short Notes on:

(10 x 6 = 60)

1. Fatty change of liver.
2. Primary Tuberculosis.
3. Type I Hypersensitivity reaction.
4. Factors influencing wound healing.
5. Pathology of Apoptosis.
6. Pathways of spread of a tumour.
7. Wound healing.
8. Bone tumors.
9. Blistering diseases.
10. Pheochromocytoma.

[LQ 2154]

NOVEMBER 2020
(MAY 2020 SESSION)

Sub. Code: 2154

**M.D. (SIDDHA) DEGREE EXAMINATION
SECOND YEAR**

BRANCH V – NOI NAADAL

**PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)**

Q.P. Code :322154

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Apoptosis. Discuss the biochemical basis of Apoptosis. List the differences between Apoptosis and Necrosis.
2. 10 year old male child with recent history of Sore Throat. Now complains of Migrating Poly Arthritis of large joints. What is the probable diagnosis. Discuss the etiopathogenesis, Morphology and complications of the same.

II. Short Notes on:

(10 x 6 = 60)

1. Type II Hypersensitivity.
2. Phagocytosis.
3. Opportunistic Infections in aids.
4. Bronchogenic Carcinoma.
5. Alcoholic Cirrhosis.
6. Risk factors for Carcinoma Breast.
7. Benign prostatic Hyperplasia.
8. Hereditary Spherocytosis.
9. Chronic Myeloid Leukemia.
10. Hemophilia.

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

[MDSIDDHA 1021]

**OCTOBER 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 2154

**M.D. (SIDDHA) DEGREE EXAMINATION
SECOND YEAR
BRANCH V – NOI NAADAL
PAPER I – NOI NAADAL (PATHOLOGY)
(Naveena Muraigal)
Q.P. Code :322154**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Necrosis. Describe the morphological features of a necrotic cell. Enlist the common types of necrosis with clinical examples. Enumerate the differences between necrosis and apoptosis.
2. A 46 year old advocate was involved in a major road traffic accident, he had multiple injuries and was bleeding profusely. He was taken to the casualty. He was in stupor. His blood pressure was 80/40 mm of Hg, pulse rate 128/mt and was feeble. He died while examination.
 - a) What is the clinical condition?
 - b) What are the other causes for shock?
 - c) Describe in detail the pathogenesis of this condition.
 - d) Discuss the various organ changes seen in this condition.

II. Short Notes on:

(10 x 6 = 60)

1. Phagocytosis.
2. Pathophysiology of Oedema.
3. Pathology of Cardiomyopathy.
4. Pathophysiology of Autoimmune diseases.
5. Lobar pneumonia.
6. Paraneoplastic syndromes.
7. Thyroiditis.
8. Hyper adrenalism.
9. Splenomegaly.
10. Atelectasis.
