

APRIL - 2001

[KD 538]

M.D. (Siddha) DEGREE EXAMINATION

(Old/New Regulations)

Second Year

Branch V — Noinadal

Paper V — NOINADAL (GENERAL AND FORENSIC
PATHOLOGY)

Time : Three hours

Maximum : 100 marks

1. Define Inflammation. Discuss the vascular and cellular events of acute Inflammation in detail. (20)

Write briefly on any FIVE of the following :

(5 × 6 = 30)

- (a) Pathophysiology of Edema
- (b) Chemical Carcinogenesis
- (c) Fatty change
- (d) Primary Tuberculosis
- (e) Mechanisms of wound healing
- (f) Type I Hypersensitivity reaction
- (g) Embolism.

3. Define Atherosclerosis. Discuss in detail the aetiopathogenesis , pathology and complications of Atherosclerosis. (20)

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

- (a) Asbestosis
- (b) Peptic ulcer disease
- (c) Chronic Hepatitis
- (d) Infective Endocarditis
- (e) Haematological picture in Megaloblastic anaemia
- (f) Aplastic anaemia
- (g) Etiopathogenesis of cirrhosis

NOVEMBER - 2001

[KE 538]

M.D. (Siddha) DEGREE EXAMINATION

(Old/New Regulations)

Second Year

Branch VI — Nanju Nool

Paper V — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Time : Three hours

Maximum : 100 marks

1. Define Neoplasia. Discuss the various types of carcinogens and their mechanism of carcinogenesis in detail. (20)

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

- (a) Fatty change
- (b) Heterotopic calcification
- (c) Chemotaxis
- (d) Pathophysiology of edema
- (e) Primary Tuberculosis
- (f) Healing of fracture of bone
- (g) Chemical mediators of inflammation.

3. Define and classify cirrhosis. Discuss in detail the etiopathogenesis and pathology of Alcoholic cirrhosis. Add a note on the post mortem findings in a patient who died of alcoholic cirrhosis. (20)

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

- (a) Risk factors in Atherogenesis
- (b) Infective Endocarditis
- (c) Bronchial asthma
- (d) Peptic ulcer disease
- (e) Ulcerative colitis
- (f) Renal Cell carcinoma
- (g) Meningitis.

MARCH - 2002

[KG 538]

M.D. (Siddha) DEGREE EXAMINATION

(Old/New Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper V — NOI-NADAL — GENERAL PATHOLOGY
AND FORENSIC PATHOLOGY

Time : Three hours

Maximum : 100 marks

SECTION A

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) Mechanism of wound healing
- (g) Differences between benign and malignant neoplasms

SECTION B

3. Define Ischaemic Heart Disease. Discuss in detail the risk factors etiopathogenesis and tissue changes in a case of Myocardial infarction. (20)

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

- (a) Emphysema
- (b) Pathology of Aneurysms
- (c) Risk factors for gastric carcinoma
- (d) Crohns disease
- (e) Etiopathogenesis of Cirrhosis
- (f) Nephrotic syndrome
- (g) Sequelae of Rheumatic fever

SEPTEMBER - 2002

[KH 538]

M.D. (SIDDHA) DEGREE EXAMINATION

(Revised Regulation)

Second Year

**Branch VI — Nanju Noolum Maruthuva
Neethi Noolum**

**Paper IV — NOI NADAL — (GENERAL AND
FORENSIC PATHOLOGY)**

Time Three hours

Maximum : 100 marks

Answer Sections A and B in the same answer sheet

SECTION A (5 × 10 = 50 marks)

Write briefly on any FIVE of the following

1. Discuss the pathology of the two major forms of Irreversible cell injury.
2. Define Thrombosis. Discuss the etiopathogenesis of thrombosis with its clinical implication.
3. Discuss the role of macrophages in inflammation
4. Define Neoplasia. Discuss the various methods of spread of a malignant neoplasm.

5. Discuss the pathology of Systemic Lupus Erythematosus

6. Discuss in detail Pathological Calcification

7. Anaphylactic Reaction.

SECTION B (5 × 10 = 50 marks)

Write briefly on any FIVE of the following

8. Discuss the gross, microscopic and ultrastructural tissue changes in a case of Acute Myocardial Infarction.
9. Define Pneumoconiosis. Discuss the various types of Pneumoconiosis.
10. Discuss the etiopathogenesis, pathology and complications of Acid Peptic Disease.
11. Discuss the pathogenesis, pathology and laboratory diagnosis of Hepatitis B viral infection
12. Classify tumours of lung. Discuss the etiopathogenesis and laboratory diagnosis for bronchogenic carcinomas.
13. Discuss in detail the etiopathogenesis and pathology of alcoholic cirrhosis.
14. Radiation injury

APRIL - 2003

[KI 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

(Revised Regulations)

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. (a) Define inflammation. Discuss in detail the cellular events in acute inflammation. (3 + 10 = 7)

Or

- (b) Discuss in detail the pathology of Radiation Injury.

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

- (a) Scurvy.
- (b) Pathophysiology of edema.
- (c) Leprosy.
- (d) Laboratory diagnosis of neoplasia.
- (e) Apoptosis.
- (f) Factors influencing wound healing.
- (g) Haemolytic Disease of the newborn.

3. (a) Define Cirrhosis. Classify it. Discuss the pathogenesis and pathology of Alcoholic Liver Disease. (3 + 3 + 7 + 7)

Or

- (b) Define Inflammatory bowel disease. Discuss the etiopathogenesis and pathology of Crohn's disease. Differentiate between ulcerative colites and Crohn's disease. (3 + 10 + 7)

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

- (a) Infective endocarditis.
- (b) Acute pancreatitis.
- (c) Diabetic Nephropathy.
- (d) Ewings sarcoma.
- (e) Vesicular mole.
- (f) Etiopathogenesis of carcinoma cervix.
- (g) Hashimoto's Thyroiditis.

OCTOBER - 2003

[KJ 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi
Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss vascular changes in Acute Inflammation.
(20)
2. Write briefly on any FIVE of the following :
(5 × 6 = 30)
 - (a) Factors influencing wound healing.
 - (b) CVC spleen.
 - (c) Turner syndrome
 - (d) Mechanisms of metastasis
 - (e) Type I hypersensitivity
 - (f) Acute transplant rejection
 - (g) Aplastic anaemia.

3. Discuss Aetiopathogenesis and Complications of
Acute Renal Failure. (20)

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

- (a) Atheromatous plaque
- (b) Acute viral hepatitis
- (c) Peptic ulcer
- (d) Complications of infective endocarditis
- (e) Primary pulmonary tuberculosis
- (f) Classification of acute leukemias
- (g) Gall stones.

APRIL - 2004

[KK 538]

Sub. Code : 2165

SECTION B

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and
forty minutes

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL the questions.

SECTION A

Essay :

1. Define Shock. Classify and write in detail about
septic shock. (15)

2. Define Neoplasia. Discuss in detail about
characteristics of benign and malignant tumours and
mechanism of metastasis. (15)

Short notes :

(10 × 5 = 50)

3. Sex Chromosomes.
4. Suppressor genes.
5. Fate of thrombus.
6. Chemical mediators of inflammation.
7. Osteomalacia.
8. Lab Diagnosis of cancer.
9. Von Willebrand's Disease.
10. Phagocytosis.
11. Bronchiectasis – classification.
12. Pneumoconiosis.

AUGUST - 2004

[KL 538]

Sub. Code : 2165

SECTION B

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Time : Three hours

Maximum : 100 marks

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

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL the questions.

SECTION A

Essay :

(2 × 15 = 30)

1. Classify hemolytic anemia and discuss in detail about the aetiopathogenesis and lab diagnosis of any one of them.

2. Define thrombosis. Discuss in detail pathophysiology morphology and fate of thrombus.

Short notes :

(10 × 5 = 50)

3. Aschoff nodule.
4. Hemochromatosis.
5. Alcoholic cirrhosis.
6. Nephrolithiasis.
7. Lab diagnosis of meningitis.
8. Nutmeg liver.
9. Ghon focus.
10. Idiopathic thrombocytopenic purpura.
11. Councilman bodies.
12. Polycythemia vera.

FEBRUARY - 2005

[KM 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and forty minutes

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL the questions.

SECTION A — (2 × 15 = 30 marks)

Essay :

1. Classify Jaundice. Mention the various laboratory tests in arriving at the types of Jaundice.
2. Discuss Apudomas.

SECTION B — (10 × 5 = 50 marks)

Write briefly :

3. Brodie's abscess.
4. Importance of examination of Hearts in Forensic Pathology.

5. CIN.

6. Aetiology of Bronchogenic carcinoma.

7. Caplan syndrome.

8. Importance of Examination of Urine in renal disorders.

9. Endoscopy biopsy.

10. Mycosis fungoides.

11. Tumours associated with HIV infection.

12. Paget's disease.

AUGUST - 2005

[KN 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC 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 the questions.

I. Long Essay :

(2 × 15 = 30)

1. Define shock. Mention the pathological conditions causing shock. Add a note on the pathogenesis in any one.

2. Describe the postmortem appearance in a male 45 yrs died on alcoholic cirrhosis.

II. Write briefly :

(10 × 5 = 50)

- 1. Types of carcinoma stomach.**
- 2. Importance of examination of sputum in pathological states.**
- 3. Types of necrosis.**
- 4. Crypt abscess**
- 5. Premalignant lesions of skin**
- 6. Lab diagnosis of cancer**
- 7. Berry Aneurysm**
- 8. Types of cerebral haemorrhage**
- 9. Types of urinary deposits**
- 10. Gumma.**

FEBRUARY - 2006

[KO 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC 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 the questions.

I. Long Essay :

(2 × 15 = 30)

(1) A 60yr old male complaining of sudden crackling sound in the pelvic bone with increasing tiredness. What's your diagnosis? Give reasons. Mention the laboratory investigations to arrive at the diagnosis.

(2) Describe the importance of examination of heart in a custodial death. Mention the various tests in the living and dead to arrive at the diagnosis.

II. Write briefly :

(10 × 5 = 50)

- (1) Types of bronchogenic carcinomas.
 - (2) Premalignant lesions of the skin.
 - (3) Diabetic kidney.
 - (4) Type IV Hypersensitivity reactions.
 - (5) Schiller-Dual bodies.
 - (6) Ulcers in the small intestine.
 - (7) Haemoglobinuria.
 - (8) Osmotic fragility test.
 - (9) DIC.
 - (10) Nutmeg liver.
-

AUGUST - 2006

[KP 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC 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 the questions.

Illustrate your answers with diagrams.

I. Long Essay :

**1. (a) Application of enzyme studies in histo
pathology. (10)**

(b) Alpha 1 antitrypsin deficiency state. (10)

**2. Discuss monoclonal gammopathies. Discuss the
relevant investigations for the diagnosis of the above
disorder. (15)**

**3. A 35 year old male dead body brought for
postmortem with bleeding from the nostril. Mention the
differential diagnosis. Describe the postmortem
appearance in any one condition to know the etiology.**

(15)

II. Write briefly on :

(6 × 5 = 30)

1. Classification of Hodgkin's lymphoma.

2. CIN.

3. Nephroblastoma.

4. Cardiomyopathies.

5. Brodie's abscess.

6. Chemical mediators of inflammation.

MARCH - 2007

[KQ 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC 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 the questions.

Illustrate your answers with diagrams

I. Long Essay : (20)

1. Define Cirrhosis. Classify it. Discuss in detail the etiopathogenesis, pathology and complication of Alcoholic Liver Disease. Add a note on the postmortem findings.

2. Define Neoplasia. Discuss in detail the mechanism of chemical and viral carcinogenesis. (15)

3. Define shock. Discuss the pathogenesis of septic shock. Add a note on the organ changes. (15)

II. Short notes : (6 × 5 = 30)

1. Phagocytosis.

2. P.M. appearance of Heart – in Myocardial infarction.

3. Pulmonary Embolism.

4. Type IV Hypersensitivity Reaction.

5. Congenital Syphilis.

6. Emphysema.

March-2008

[KS 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate your answers with diagrams.

I. Long Essay : (2 × 20 = 40)

- 1. Discuss the role of chemical mediators.**
- 2. Define Cirrhosis. Classify it. Discuss in detail the pathogenesis pathology of Alcoholic Cirrhosis.**
Add a note on the post mortem appearance in a death due to alcoholic cirrhosis.

II. Short notes : (10 × 6 = 60)

- 1. Differences between benign and malignant neoplasms.**
- 2. Healing of a fracture.**
- 3. Etiopathology of a Thrombosis.**
- 4. Septic shock.**
- 5. Apoptosis.**
- 6. Gall stones.**
- 7. Bronchiectasis.**
- 8. Infective Endocarditis.**
- 9. Acid Peptic Disease.**
- 10. Aneurysms.**

[KT 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Illustrate your answers with diagrams.

I. Long Essay : (2 × 20 = 40)

1. Discuss viral carcinogenesis.
2. Classify ulcerative lesions of the gastrointestinal tract.

II. Short notes : (10 × 6 = 60)

1. Causes of Cell Injury.
2. Granulomatous inflammation.

3. Fate of thrombus.
4. HIV infection of macrophages.
5. Trisomy 21
6. Eosinophilia.
7. Risk factors of ischemic heart disease.
8. Lung abscess.
9. Acute glomerulonephritis.
10. Leukemoid reaction.

March - 2009

[KU 538]

Sub. Code: 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code: 322165

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate your answers with diagrams.

I. Long Essay : (2 × 20 = 40)

1. Describe the relevance of Examination of Heart as a Forensic Pathologist.

2. Define Shock. Discuss the pathogenesis of Septic shock.

II. Short notes :

(10 × 6 = 60)

1. Tumour Markers.

2. Brochogenic Carcinoma.

3. Types of Aneurysms.

4. Healing of a bone fracture.

5. Examples of chromosomal anomalies.

6. Meningiomas.

7. Nephroblastoma.

8. Causes for Anemia.

9. Primary T.B.

10. Vrichow's triad.

September - 2009

[KV 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI —Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate your answers with diagrams.

I. Long Essay : (2 × 20 = 40)

1. Relavence of pathology postmortems and its significance.

2. Discuss Pneumoconiosis.

II. Short notes :

(10 × 6 = 60)

- 1. Eosinophilic granuloma.**
- 2. Immune complex glomerulonephritis.**
- 3. Copper in health and diseases.**
- 4. Monocytic disorders.**
- 5. Ulcers of small intestine.**
- 6. Premalignant lesions of penis.**
- 7. Types of storage disorders.**
- 8. Various histochemical stains.**
- 9. Tests for kidney transplantation.**
- 10. Laboratory diagnosis of different types of meningitis.**

March 2010

[KW 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate your answers with diagrams.

I. Long Essay : (2 × 20 = 40)

1. Define Cirrhosis. Discuss etiology, pathogenesis, morphology and complications of cirrhosis.
2. Discuss etiology, pathogenesis, morphology and complications of atherosclerosis.

II. Short notes :

(10 × 6 = 60)

1. Calcification.
2. Urolithiasis.
3. Chronic myelocytic leukemia.
4. Basal cell carcinoma.
5. Osteoclastoma.
6. Factors affecting healing of fracture.
7. Systemic lupus erythematosus.
8. Bronchial asthma.
9. Endometriosis.
10. Post mortem findings in typhoid.

September 2010

[KX 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate your answers with diagrams

- I. Long Essay : (2 × 20 = 40)
1. Explain in Detail the differences between benign and malignant tumours. Describe the Mode of spread of malignant tumours in detail.
 2. Discuss Embolism.

II. Short notes :

(10 × 6 = 60)

1. Sudden Infant Death Syndrome.
 2. Plasma cell myeloma.
 3. Gastric Tumours.
 4. Hemochromatosis.
 5. Polyps of intestine.
 6. Renal lesions in diabetes mellitus.
 7. Down's syndrome.
 8. Chemical carcinogens.
 9. AIDS.
 10. Pulmonary Tuberculosis.
-

MAY 2011

[KY 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

(Revised Regulations)

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate your answers with diagrams.

I. Long Essay :

(2 x 20 = 40)

1. Define Shock. Enumerate the causes. Discuss in detail the pathogenesis and organ changes in septic shock.
2. Define Ischaemic Heart Disease. Discuss in detail the etio pathogenesis, gross, microscopic changes in Acute Myocardial infarction. Add a note on its complications.

II. Short notes :

(10 x 6 = 60)

1. Apoptosis.
 2. Primary complex.
 3. Factors influencing wound healing.
 4. Fat Embolism.
 5. Aortic Aneurysms.
 6. Type I hypersensitivity reaction.
 7. Causes for Gastric carcinoma.
 8. Chronic hepatitis.
 9. Chemical carcinogens.
 10. Phagocytosis.
-

October 2011

[KZ 538]

Sub. Code: 2165

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

SECOND YEAR

BRANCH VI - NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

PAPER IV – NOINADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

**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. Define and classify Anemias. Discuss the etiopathogenesis,
Blood and bone marrow picture of megaloblastic anemia. | 11 | 35 min. | 20 |
| 2. Discuss the importance of post mortem examination in a
person who died suddenly after an episode of
severe chest pain and sweating. | 11 | 35 min. | 20 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Fatty change. | 4 | 10 min. | 6 |
| 2. Type III hypersensitivity reactions. | 4 | 10 min. | 6 |
| 3. Chronic myeloid leukemia. | 4 | 10 min. | 6 |
| 4. Factors affecting wound healing. | 4 | 10 min. | 6 |
| 5. Para neoplastic syndrome. | 4 | 10 min. | 6 |
| 6. Pyogenic osteomyelitis. | 4 | 10 min. | 6 |
| 7. Discuss Hemophilia. | 4 | 10 min. | 6 |
| 8. Pathology of Endometriosis. | 4 | 10 min. | 6 |
| 9. Polycystic Kidney disease. | 4 | 10 min. | 6 |
| 10. Risk factors for Carcinoma Breast. | 4 | 10 min. | 6 |
-

2012

[LA 538]

Sub. Code : 2165

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL (GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time : Three hours (180 minutes)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :	Pages	Time	Marks
1. Discuss the blood supply of heart. Discuss the histochemical and histopathological appearance in a case of death due to myocardial infarction	11	35 min.	20
2. Describe the process of wound healing give an account of factors which influence wound healing.	11	35 min.	20
II. Write notes on :			
1. Amyloidosis.	4	10 min.	6
2. Asbestosis	4	10 min.	6
3. Tuberculosis lung.	4	10 min.	6
4. Sudden Infant Death Syndrome.	4	10 min.	6
5. Congenital heart diseases.	4	10 min.	6
6. Leukemias.	4	10 min.	6
7. Chronic obstructive pulmonary disease.	4	10 min.	6
8. Carcinoma stomach.	4	10 min.	6

- | | | | | |
|-----|-----------------|---|---------|---|
| 9. | Cirrhosis liver | 4 | 10 min. | 6 |
| 10. | Osteoclastoma. | 4 | 10 min. | 6 |
-

[LB 538]

Sub. Code : 2165

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

Second Year

Branch VI — Nanju Noolum Maruthuva Neethi Noolum

Paper IV — NOI NADAL

(GENERAL AND FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time : 180 minutes

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :	Pages	Time	Marks
	(Max.)	(Max.)	(Max.)
1. Discuss in detail about the signs and symptoms and complications of rheumatic fever.	11	35 min.	20
2. Discuss in detail about chemical mediators of inflammation.	11	35 min.	20
 II. Write notes on :			
1. Pathological calcification.	4	10 min.	6
2. Embolism.	4	10 min.	6
3. Osteomyelitis.	4	10 min.	6
4. Lepromatous leprosy.	4	10 min.	6
5. Metaplasia	4	10 min.	6
6. Respiratory distress syndrome.	4	10 min.	6
7. Tetralogy of Fallot.	4	10 min.	6
8. Basal cell carcinoma.	4	10 min.	6
9. Scurvy.	4	10 min.	6
10. Ulcerative colitis.	4	10 min.	6

[LC 538]

SUB CODE: 2165

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

SECOND YEAR

BRANCH IV- Nanju Noolum Maruthuva Neethi Noolum

PAPER IV – NOI NADAL (GENERAL & FORENSIC PATHOLOGY)

Q.P.Code : 322165

Time : 3 hours

Maximum: 100 marks

ANWER ALL QUESTIONS

I. Long essay:

(2x20=40)

1. Define inflammation. Enumerate the two major types of inflammation. Classify chemical mediators in acute inflammation. Discuss the role of prostaglandins and compliment system in acute inflammation.
2. A 8 year old girl presented to the pediatric outpatient clinic with complaints of swelling in the face and body with decreased urination. She had a similar complaint one year ago and was treated. On examination the girl is afebrile, not anaemic, not cyanosed, periorbital edema present, pulse rate 80/mt, regular, blood pressure 120/80 mm of Hg. Other systems examination was normal. Examination of urine shows volume 400ml/24 hours, cloudy urine, Urinary Proteins ++++ (massive), Occult blood in urine negative, urine microscopy shows fatty tubular casts.
 - (a)What is your clinical diagnosis?
 - (b)What are the other differential diagnosis you can think of?
 - (c)What are the common causes that can produce these clinical features?
 - (d)Discuss the etipathogenesis of this condition in detail.
 - (e)Describe the pathological changes in kidney in this case?

II. Short notes:

(10x6=60)

1. Differentiate between benign and malignant neoplasms.
2. Types and Examples for Necrosis.
3. Causes for Thrombosis
4. Types of Hansen's disease
5. Type IV Hypersensitivity reaction
6. Risk factors for Atherosclerosis
7. Emphysema
8. Crohn's Disease of Intestine
9. Predisposing factors for Carcinoma breast
10. Alcoholic Liver Disease.

[LD 538]

SUB CODE: 2165

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

SECOND YEAR

BRANCH IV- Nanju Noolum Maruthuva Neethi Noolum

PAPER IV – NOI NADAL (GENERAL & FORENSIC PATHOLOGY)

Q.P.Code : 322165

Time : 3 hours

Maximum: 100 marks

I. Long essay:

(2x20=40)

1. Define Necrosis. Describe the morphology of a necrotic cell. Enumerate the various types of necrosis. Discuss the salient features of the major types of necrosis with clinical examples.
2. A 58 year old male was seen in the casualty with complaints of severe chest pain with increase sweating and restlessness. On examination he was conscious, a febrile, Pulse rate 110/mt feeble, irregular, blood pressure 90/70 mm 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 conform diagnosis (4).

II. Short notes:

(10x6=60)

1. Granulomatous inflammation
2. Fatty Change Liver
3. Type I Hypersensitivity reaction
4. Primary Tuberculosis
5. Causes and complications of Aneurysms
6. Bronchogenic Carcinoma
7. Predisposing factors for Gastric carcinoma
8. Laboratory diagnosis of cancer
9. Role of peripheral smear study in diagnosis of Anaemia
10. Pathophysiology of Edema.

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

Branch VI – Nanju Noolum Maruthuva Neethi Noolum

Paper – IV – NOI NADAL (GENERAL & FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time: Three hours

Maximum : 100 Marks

Answer All questions in the same order

I. Elaborate on:

(2 X 20 = 40)

1. Classify hemolytic anemias. Discuss the etiopathogenesis, blood and Bone marrow picture of sickle cell anemia. Add a note on Relevant investigations to be done.
2. Discuss the relevance of examination of Heart in forensic pathology.

II. Write Notes on:

(10 X 6 = 60)

1. Renal cell carcinoma.
2. Apoptosis.
3. Philadelphia chromosome.
4. Bronchiectasis.
5. Types of aneurysms.
6. Erythroblastosis fetalis.
7. Risk factors for carcinoma cervix.
8. Hemophilia.
9. Infarct.
10. Chemical carcinogenesis.

M.D.(SIDDHA) DEGREE EXAMINATION

SECOND YEAR

Branch VI – Nanju Noolum Maruthuva Neethi Noolum

Paper – IV – NOI NADAL (GENERAL & FORENSIC PATHOLOGY)

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define and classify Immunity. Discuss the clinical features and investigation of any two autoimmune diseases.
2. Describe the postmortem findings in a valvular heart disease who died after repeated episodes of hemoptysis.

II. Write Notes on:

(10 x 6 = 60)

1. Urolithiasis.
2. Pathologic calcification.
3. Cirrhosis of Liver.
4. Thyrotoxicosis.
5. Dysfunctional uterine bleeding.
6. Osteomyelitis.
7. Laboratory diagnosis of tumours.
8. Pancreatitis.
9. Acute pyelonephritis.
10. Benign prostatic hypertrophy.

[LH 2165]

OCTOBER 2015

Sub. Code: 2165

M.D.(SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

**PAPER IV – NOI NADAL
(GENERAL AND FORENSIC PATHOLOGY)**

Q.P. Code : 322165

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Define metastasis. Write the different routes of metastasis in malignant tumours.
2. Discuss the relevance of examination of the heart and lungs in a case of the left sided heart failure.

II. Short Notes on:

(10 x 6 = 60)

1. Metaplasia.
2. Chemotaxis.
3. Hemophilia.
4. Blood and bone marrow picture in chronic myeloid leukemia.
5. Dysgerminoma.
6. Posterior pituitary syndromes.
7. Osteoclastoma.
8. Alcoholic Cirrhosis.
9. Polycythemia.
10. Factors affecting wound healing.

[LI 2165]

APRIL 2016

Sub.Code :2165

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

PAPER IV – NOI NADAL
(General and Forensic Pathology)

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define and classify anemias. Discuss the etiopathogenesis, peripheral smear and bone marrow picture in megaloblastic anemia.
2. Discuss in detail about the etiopathogenesis, signs, symptoms and complications of Autoimmune diseases.

II. Short Notes on:

(10 x 6 = 60)

1. Laboratory diagnosis of Anaemia.
2. Primary complex.
3. Erythrocyte sedimentation rate.
4. Phagocytosis and killing.
5. Polycystic kidney disease.
6. Congenital heart diseases.
7. Von willebrand disease.
8. Type III hypersensitivity.
9. Seminoma.
10. Basal cell carcinoma.

[LJ 2165]

OCTOBER 2016

Sub.Code :2165

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

PAPER IV – NOI NADAL
(General and Forensic Pathology)

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss risk factors, etiopathogenesis, morphological changes and complications of myocardial infarction.
2. Define inflammation. Discuss the chemical mediators of acute inflammation.

II. Short notes on:

(10 x 6 = 60)

1. Chronic pyelonephritis.
2. Raynaud's diseases.
3. Ulcerative colitis.
4. Hemochromatosis.
5. Perinatal infections.
6. Transplant rejection.
7. Enterocolitis.
8. Idiopathic thrombocytopenic purpura.
9. Hodgkin lymphoma.
10. Hereditary spherocytosis.

[LK 2165]

MAY 2017

Sub.Code :2165

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

PAPER IV – NOI NADAL
(General and Forensic Pathology)

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define edema. Discuss the aetiopathogenesis of edema.
2. Discuss the postmortem findings in a case who died after severe excruciating chest pain with profuse sweating.

II. Write notes on:

(10 x 6 = 60)

1. Paraneoplastic syndrome.
2. Fracture healing.
3. Type II hypersensitivity.
4. Hemophilia.
5. Blood and bone marrow findings in iron deficiency anaemia.
6. Ulcerative colitis.
7. Bronchiectasis.
8. Risk factors for carcinoma breast.
9. Seminoma.
10. Polycystic kidney disease.

[LL 2165]

OCTOBER 2017

Sub. Code: 2165

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

PAPER IV – NOI NADAL
(General and Forensic Pathology)

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are Carcinogens? Write in detail on chemical Carcinogenesis.
2. Discuss the postmortem findings in Cirrhosis liver who died after a bout of severe Haematemesis.

II. Write notes on:

(10 x 6 = 60)

1. Chemotaxis.
2. Types of Necrosis.
3. Type I hypersensitivity.
4. Blood and bone marrow picture in Megaloblastic anaemia.
5. Disseminated intravascular coagulation.
6. Infective endocarditis.
7. Stages of Lobar Pneumonia.
8. Crohn's disease.
9. Papillary carcinoma thyroid.
10. Renal cell carcinoma.

[LM 2165]

MAY 2018

Sub. Code: 2165

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

PAPER IV – NOI NADAL
(General and Forensic Pathology)

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write about the congenital anomalies of cardiovascular system and detail about valvular heart disease.
2. Discuss the Postmortem findings in a case of bronchogenic carcinoma with liver metastasis.

II. Write notes on:

(10 x 6 = 60)

1. Apoptosis.
2. Phagocytosis and killing.
3. Type III hypersensitivity.
4. Polycythemia.
5. Blood and bone marrow findings in chronic myeloid leukemia.
6. Osteogenic Sarcoma.
7. Risk factors for Atherosclerosis.
8. Cervical intra epithelial neoplasia.
9. Gross and microscopic appearance of benign gastric ulcer.
10. Hashimoto's Thyroiditis.

[LN 2165]

OCTOBER 2018

Sub. Code: 2165

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

**PAPER IV – NOI NADAL
(General and Forensic Pathology)**

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define and classify shock. Discuss the pathogenesis of septic shock. Describe the morphology of various organs in shock.
2. Discuss the postmortem appearance of relevant organs in a case of bronchogenic carcinoma with liver metastasis.

II. Write notes on:

(10 x 6 = 60)

1. Osteomyelitis.
2. Chemotaxis.
3. Types of necrosis.
4. Chemical carcinogenesis.
5. Sickle cell anemia.
6. Idiopathic thrombocytopenic purpura.
7. Respiratory distress syndrome.
8. Renal cell carcinoma.
9. Hashimoto's thyroiditis.
10. Carcinoma cervix.

[LO 2165]

MAY 2019

Sub. Code: 2165

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

**PAPER IV – NOI NADAL
(General and Forensic Pathology)**

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define inflammation. Discuss in detail the cellular events in acute inflammation.
2. Discuss etiology, pathogenesis, morphology and complications of atherosclerosis.

II. Write notes on:

(10 x 6 = 60)

1. Apoptosis.
2. Blood and bone marrow findings in chronic myeloid leukemia.
3. Laboratory diagnosis of cancer.
4. Bronchiectasis.
5. Sequelae of Rheumatic fever.
6. Septic shock.
7. Dysfunctional uterine bleeding.
8. Sudden Infant Death Syndrome.
9. Type I hypersensitivity.
10. Emphysema.

LP 2165]

OCTOBER 2019

Sub. Code: 2165

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH VI – NANJU NOOLUM MARUTHUVA NEETHI NOOLUM

**PAPER IV – NOI NADAL
(General and Forensic Pathology)**

Q.P. Code : 322165

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Neoplasia. Write the differences between benign and malignant tumours. Discuss the routes of metastases in malignant tumours.
2. Describe the relevance of examination of the Heart as a Forensic Pathologist.

II. Write notes on:

(10 x 6 = 60)

1. Fatty change.
2. Phagocytosis.
3. Down syndrome.
4. Lepromatous leprosy.
5. Blood and bone marrow picture in megaloblastic anemia.
6. CSF findings in different types of meningitis.
7. Alcoholic cirrhosis.
8. Bronchiectasis.
9. Ulcerative colitis.
10. Agranulocytosis.
