

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch IX — Rheumatology

(Revised Regulations)

Paper II — CLINICAL RHEUMATOLOGY AND
CLINICAL IMMUNOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Antineutrophil cytoplasmic antibodies (ANCA) are useful in the diagnosis and management of certain vasculitides. Discuss the antigen specificities of ANCA and their relation to the spectrum of immunologic diseases. (25)
2. Outline the salient differences between autoimmune diseases with onset in childhood versus the same diseases in adult life. (25)
3. Briefly discuss
 - (a) Arthritis in lyme disease
 - (b) The disabling complications of Behcets disease
 - (c) The differences between polyarticular versus monoarticular gout
 - (d) Rheumatic manifestations of Lymphomas
 - (e) Arthritis in Hansen's disease. (5 × 10 = 50)

November-2001

[KE 022]

Sub. Code : 1352

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(Higher Specialities)

(Revised Regulations)

Branch IX — Rheumatology

**Paper II — CLINICAL RHEUMATOLOGY AND
CLINICAL IMMUNOLOGY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Marks for each question are given in brackets.

1. Describe the variants and prognosis of Rheumatoid arthritis (30)
 2. Discuss the differential diagnosis of Pulmonary Renal Syndrome. (30)
 - 3 Write short notes on :
 - (a) HIV and Non HIV related Reiter's Syndrome (10)
 - (b) Milwaukee Shoulder (10)
 - (c) Sjogren's Syndrome and Lymphoma (10)
 - (d) Sarcoidosis in India. (10)
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[KG 022]

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Time : Three hours

—Maximum : 100 marks

Answer ALL questions

Marks for each question are given in brackets.

1. Describe the clinical features and classification of Psoriatic arthritis. (30)
2. Discuss the classification and clinical features of CPPD crystal deposition disease. (30)
3. Write short notes on :
 - (a) Scleroderma like illnesses. (10)
 - (b) Pigmented villonodular synovitis (10)
 - (c) Clubbing Index. (10)
 - (d) Tuberculous arthritis (10)

[KM 022]

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D.M. DEGREE EXAMINATION.

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Branch IX — Rheumatology

Paper II — CLINICAL RHEUMATOLOGY AND
CLINICAL IMMUNOLOGY

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.

I. Essay : (2 × 15 = 30)

(1) List Mitochondrial myopathies - describe clinical presentation, diagnostic evaluation and differential diagnosis.

(2) Describe the clinical spectrum, pathophysiology and management of chronic pain disorders.

II. Short notes : (10 × 5 = 50)

- (a) Piriformis Syndrome.
- (b) Beighton's score.
- (c) RS₃PE.
- (d) Psoriatic onychopachydermoperiostitis (POPP) and other Psoriatic arthropathy variants.
- (e) Camptocormia.
- (f) Fibroblast function and Fibrosis.
- (g) Radio isotopic assessment of metabolic bone diseases.
- (h) Benign hypermobility syndrome.
- (i) Scleroderma Renal crisis.
- (j) Complete curable causes of arthritis.

[KP 022]

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Branch IX — Rheumatology

Paper II — CLINICAL RHEUMATOLOGY AND
CLINICAL IMMUNOLOGY

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. Essays :

(1) Describe in detail about the pathogenesis, clinical features and current management strategies for Antiphospholipid Antibody (APLA) syndrome. Briefly mention the problems and prospects in the treatment of catastrophic APLA syndrome. (20)

(2) Discuss the various factors responsible for the increasing spread of HIV infection in India and for the failure of control measures initiated. If you were asked to prepare a programme for control – what steps would you take? (15)

(3) Describe the treatment of the various syndromes that constitute Neuropsychiatric systemic lupus erythematosus. What are the major problems faced in the diagnosis of these conditions? (15)

II. Write short notes on : (6 × 5 = 30)

(a) Diagnostic criteria for relapsing polychondritis.

(b) Non-pharmacologic treatment of pain.

(c) The Chapel Hill classification of vasculitides.

(d) Precautions of hormone replacement therapy in women.

(e) Jaundice in patient with rheumatoid arthritis.

(f) Treatment of multicentric reliculo histiocytosis.

August 2008

[KT 022]

Sub. Code: 1352

D.M. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch IX – Rheumatology

**Paper II– CLINICAL RHEUMATOLOGY AND CLINICAL
IMMUNOLOGY**

Q.P. Code: 161352

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40 Marks

1. Discuss pulmonary-renal syndromes.
2. Discuss mechanisms and clinical features of kidney involvement in rheumatic diseases. Describe the present day management of lupus nephritis.

II. Write short notes on:

10 x 6 = 60 Marks

1. Pulmonary Hypertension in systemic sclerosis.
 2. Hemophilia joint disease.
 3. Catastrophic antiphospholipid antibody syndrome.
 4. Complex Regional pain syndromes.
 5. Undifferentiated arthritis.
 6. Outcome measures in rheumatoid arthritis.
 7. Eye in Spondarthritis.
 8. Hypermobility Syndrome.
 9. Refractory Gout.
 10. DISH (Diffuse idiopathic skeletal hyperostosis).
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August 2009

[KV 022]

Sub. Code: 1352

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch IX – RHEUMATOLOGY

(Revised Regulations)

**Paper II – CLINICAL RHEUMATOLOGY AND CLINICAL
IMMUNOLOGY**

Q.P. Code: 161352

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40

1. Discuss in detail about the pathogenesis, clinical features, diagnosis and current management strategies of Behcet's syndrome.
2. Discuss in detail about the musculo skeletal manifestations, radiological changes, diagnosis and treatment of hypoparathyroidism.

II. Write short notes on:

10 x 6 = 60

1. Multicentric reticulo histiocytosis.
2. Chikungunya arthritis.
3. Treatment of pigmented villonodular synovitis.
4. Reflex sympathetic dystrophy syndrome.
5. Disease activity score 28 (DAS – 28).
6. Management of psendogout.
7. Palindromic rheumatism.
8. Plasmapheresis in rheumatology.
9. Macrophage activation syndrome.
10. Western blot test in HIV infection.

AUGUST 2010

[KX 022]

Sub. Code: 1352

D.M. DEGREE EXAMINATION

**(Higher Specialities)
(Revised Regulations)**

Branch IX – RHEUMATOLOGY

**Paper II – CLINICAL RHEUMATOLOGY AND CLINICAL
IMMUNOLOGY**

Q.P. Code: 161352

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40 Marks

1. Discuss in detail about the pathogenesis, clinical features, classification, diagnosis and management of Takayasu Arteritis.

2. Describe the musculoskeletal manifestations, diagnosis and management of Human Immunodeficiency Virus (HIV) infection.

II. Write short notes on:

10 X 6 = 60 Marks

1. Causes and manifestations of viral arthritis in south India.
2. SF – 36 (Short form 36)
3. Management of systemic sclerosis.
4. Health Assessment Questionnaire (HAQ) Indian version.
5. Diagnosis of Dermatomyositis.
6. Ocular manifestations of Ankylosing spondylitis.
7. Clinical variants of psoriatic arthritis.
8. Spondylo epiphyseal dysplasia's.
9. Anti Neutrophil Cytoplasmic Antibodies (ANCA's).
10. Ochronosis.

August 2011

[KZ 022]

Sub. Code: 1352

**DOCTORATE OF MEDICINE (D.M.) DEGREE EXAMINATION
(SUPER SPECIALITIES)**

BRANCH IX – RHEUMATOLOGY

CLINICAL RHEUMATOLOGY AND CLINICAL IMMUNOLOGY

Q.P. Code: 161352

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

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|----|
| 1. Discuss the epidemiology, etiology, pathogenesis, clinical features, diagnostic tests and treatment of Hughes syndrome. | 11 | 35 | 15 |
| 2. Describe the pathogenesis, clinical features, diagnosis and management of osteoarthritis. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Occupation related rheumatic diseases. | 4 | 10 | 7 |
| 2. Management of Fibromyalgia. | 4 | 10 | 7 |
| 3. Intrinsic factors causing shoulder pain. | 4 | 10 | 7 |
| 4. en coup de bande. | 4 | 10 | 7 |
| 5. Clinical utility of antinuclear antibodies. | 4 | 10 | 7 |
| 6. Neuropathic osteoarthropathy. | 4 | 10 | 7 |
| 7. β 2 microglobulin amyloidosis. | 4 | 10 | 7 |
| 8. Basic mechanisms of glucocorticoids. | 4 | 10 | 7 |
| 9. Allergic arthritis. | 4 | 10 | 7 |
| 10. Relapsing polychondritis. | 4 | 10 | 7 |

[LB 022]

AUGUST 2012

Sub. Code: 1352

D.M – RHEUMATOLOGY

Paper – II CLINICAL RHEUMATOLOGY AND CLINICAL IMMUNOLOGY

Q.P. Code: 161352

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

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|---|----|----|----|
| 1. Discuss the cause, pathogenesis, clinical features, laboratory investigations and the management of inflammatory myopathies. | 16 | 35 | 15 |
| 2. Discuss the pathogenesis of Systemic Lupus Erythematosus in detail. | 16 | 35 | 15 |

II. Write notes on:

- | | | | |
|--|---|----|---|
| 1. What is carcinomatous polyarthritis? Discuss the clinical features. | 4 | 10 | 7 |
| 2. What are the clinical features of Hemophilic Arthropathy? | 4 | 10 | 7 |
| 3. What are the rheumatological problems in A β 2M amyloidosis? | 4 | 10 | 7 |
| 4. What are the musculoskeletal symptoms in Lyme Disease? | 4 | 10 | 7 |
| 5. What are the nonpharmacologic interventions for the management of osteoarthritis? | 4 | 10 | 7 |
| 6. What is secondary gout? Discuss the various causes in brief. | 4 | 10 | 7 |
| 7. What are the vasculitides caused by viral infection? Discuss them in brief. | 4 | 10 | 7 |
| 8. What are the genetic risk factors in vasculitis? | 4 | 10 | 7 |
| 9. What are the mimics of myositis? | 4 | 10 | 7 |
| 10. What is en coupe de sabre and en coup de bande? | 4 | 10 | 7 |

D.M. – RHEUMATOLOGY
Paper – II CLINICAL RHEUMATOLOGY AND CLINICAL
IMMUNOLOGY
Q.P.Code: 161352

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Classification criteria of Mixed Connective Tissue Disease (MCTD).
Mention the Differences with Lupus. Write briefly management plans including treatment for specific organ damage.
2. Pathology, outcome and management of class V Lupus Nephritis.

II. Write notes on:

(10X7=70)

1. Rheumatoid Arthritis in HIV infected individual.
2. Variants of Psoriatic Arthritis.
3. Causes, presentation, stages and management of Osteonecrosis.
4. Post Streptococcal reactive Arthritis.
5. Neuro Sarcoidosis.
6. Musculoskeletal Mycobacteriosis.
7. Pregnancy outcome of Systemic Sclerosis.
8. Anti Synthetase Syndrome.
9. Isolated CD4 Lymphocytopenia.
10. Malignancies in Rheumatoid Arthritis.

[LF 022]

AUGUST 2014

Sub. Code: 1352

D.M. – RHEUMATOLOGY

Paper II – CLINICAL RHEUMATOLOGY AND CLINICAL IMMUNOLOGY

Q. P. Code: 161352

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about the aetiopathogenesis, clinical manifestations, Investigations and treatment of Psoriatic Arthritis.
2. Discuss in detail about Rheumatoid Lung Disease.

II. Write notes on:

(10 x 7 = 70)

1. Hemochromatosis.
2. Scleroderma mimics.
3. Shoulder pain.
4. Synovial Chondromatosis.
5. Parathyroid and Rheumatic diseases.
6. Macrophage Activation Syndrome.
7. Infective Myositis.
8. Management of Behcet's Disease.
9. Glucocorticoid Induced Osteoporosis.
10. Role of Innate immune, gamma delta T cells and natural killer cells in Spondyloarthropathy.
