

September 2008

[KT 179]

Sub. Code: 2073

M.D. DEGREE EXAMINATION

Branch XIX – Physical Medicine and Rehabilitation

**PHYSICAL MEDICINE AND REHABILITATION – II
(CARDIAC AND PULMONARY REHABILITATION
GERIATRIC, O & G)**

Common to

**Part II – Paper II(Candidates admitted upto 2003-04) and
Paper III – (For candidates admitted from 2004-2005 onwards)**

Q.P. Code : 202073

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe the various phases of Cardiac Rehabilitation following myocardial infarction.
2. What are the common rehabilitation problems one will come across in a geriatric ward? Outline the various rehabilitation measures for the common problems.

II. Write short notes on :

(10 X 6 = 60)

1. Interstitial fibrosis.
 2. Cardiac Stress test.
 3. Kegel's exercises.
 4. Deep vein thrombosis.
 5. Aerobic exercises.
 6. Pulmonary function.
 7. Intermittent Positive Pressure ventilation.
 8. ECG in Cardiac ischemia.
 9. Cor pulmonale.
 10. Postural drainage.
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March 2009

[KU 179]

Sub. Code: 2073

M.D. DEGREE EXAMINATION

Branch XIX – PHYSICAL MEDICINE AND REHABILITATION

Part II – Paper II (Candidates admitted upto 2003-04) and

Paper III – (For candidates admitted from 2004-2005 to 2007-2008)

PHYSICAL MEDICINE AND REHABILITATION – II

(CARDIAC AND PULMONARY REHABILITATION

GERIATRIC, O & G)

Q.P. Code : 202073

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 x 20 = 40)

1. Give an account of rehabilitation measures after coronary bypass surgery.
2. Discuss the pulmonary concerns and their management in a quadriplegic at C3 level.

II. Write short notes on :

(10 x 6 = 60)

1. Exercise therapy in elderly.
2. SACH foot.
3. Management of stress incontinence in women.
4. Antiphospholipid antibody.
5. Trendelenberg gait.
6. Low temperature thermoplastics.
7. Diaphragmatic breathing.
8. Duchenne Muscular dystrophy.
9. Syme's amputation.
10. Patellar tendon bearing socket.

MAY 2011

[KY 179]

Sub. Code: 2073

M.D. DEGREE EXAMINATION

BRANCH XIX – PHYSICAL MEDICINE AND REHABILITATION

PHYSICAL MEDICINE AND REHABILITATION – II

(CARDIAC AND PULMONARY REHABILITATION, GERIATRICS, O&G)

Q.P. Code : 202073

**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 the deleterious effects of prolonged immobilization.	11	35	15
2. Describe the phases of cardiac rehabilitation of a 50 year old male patient who has had an acute myocardial infarction.	11	35	15

II. Write notes on :

1. Neurogenic claudication.	4	10	7
2. Pharmacological management of Parkinsonism.	4	10	7
3. Effects of restrictive and obstructive pulmonary disease on lung functions.	4	10	7
4. Complications of cervical spondylosis.	4	10	7
5. Strategies to prevent falls in the elderly.	4	10	7
6. Back pain in pregnancy.	4	10	7
7. Stress incontinence.	4	10	7
8. Periarthritis shoulder.	4	10	7
9. Pharmacological options for the management of Osteoporosis.	4	10	7
10. Causes of peripheral neuropathy.	4	10	7

APRIL 2012

[LA 179]

Sub. Code: 2073

M.D. DEGREE EXAMINATION
BRANCH XIX – PHYSICAL MEDICINE AND REHABILITATION
PHYSICAL MEDICINE AND REHABILITATION – II
(CARDIAC AND PULMONARY REHABILITATION, GERIATRICS, O&G)
Q.P. Code : 202073

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 etiopathology and risk factors of chronic peripheral arterial occlusive disease. Describe the measures for pain management, risk modification, exercise training and pharmaceutical interventions for a patient with chronic peripheral arterial occlusive disease. 16 35 15
2. Describe the effects of aging on bone mass. What are the factors that contribute to risk of falls in elderly? How will you manage acute pain in patients with osteoporosis? Discuss the pharmacologic options in treatment of osteoporosis. 16 35 15

II. Write notes on :

1. Describe the pulmonary function tests in obstructive and restrictive lung disease. 4 10 7
2. Explain the spectrum of degenerative changes in the lumbar spine. 4 10 7
3. Outline the contraindications to exercise stress testing. 4 10 7
4. Effects of exercise on patients with chronic obstructive pulmonary disease. 4 10 7
5. List out the causes of post stroke shoulder pain and outline their management. 4 10 7
6. List the lacunar syndromes and mention their anatomic correlates. 4 10 7
7. Outline the cardiac exercise approaches for the musculoskeletal management of osteoporosis. 4 10 7
8. Principles of exercise approaches for the musculoskeletal management of osteoporosis. 4 10 7
9. What are the adaptations with aerobic training? 4 10 7
10. List the causes and management of back pain in pregnancy. 4 10 7

**M.D. DEGREE EXAMINATION
BRANCH XIX – PHYSICAL MEDICINE & REHABILITATION**

**PHYSICAL MEDICINE & REHABILITATION - II
(CARDIAC AND PULMONARY REHABILITATION, GERIATRICS,
O&G)**

Q.P.Code: 202073

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the rehabilitation in a 70 year old gentleman with a left MCA infarct along with hearing insufficiency
2. Explain the principles of Pulmonary rehabilitation in a patient of COPD (Chronic Obstructive Pulmonary Disease)

II. Write notes on:

(10X7=70)

1. Stress incontinence management
2. Management of diabetic foot ulcer
3. Pulmonary complications in spinal cord injury
4. Role of vitamin D in rehabilitation
5. Benefits of physical activity on risk factors of coronary artery disease
6. Discuss types of Exercise Stress Testing
7. Pharmacological management in Dementia
8. Evaluation of bladder disturbances in the elderly
9. Management of infertility in spinal cord injury
10. Role of incentive spirometry in Pulmonary rehabilitation

[LD 179]

OCTOBER 2013

Sub. Code: 2073

M.D. DEGREE EXAMINATION

BRANCH XIX – PHYSICAL MEDICINE & REHABILITATION

PHYSICAL MEDICINE & REHABILITATION - II

(CARDIAC AND PULMONARY REHABILITATION, GERIATRICS, O&G)

Q.P.Code: 202073

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the pulmonary complications and their management in a young male with traumatic spinal cord injury?
2. What are the changes in the body with aging? What are the rehabilitation strategies to manage falls in elderly?

II. Write notes on:

(10 x 7 = 70)

1. List the commonly used pharmacologic agents in osteoporosis, their common dosage and potential side effects.
2. List the brain stem stroke syndromes? Add a note on each of their locations, structural injury and characteristics?
3. List the Brunnstorm's stages of recovery in stroke?
4. What are the clinical features in a patient with lumbar intervertebral disc Prolapse?
5. Borg rating scale.
6. List the common causes of osteoporosis.
7. Describe the functional assessment scales giving examples.
8. Summarise the risk factors for coronary artery disease.
9. List the indications for terminating exercise stress testing.
10. Describe the antenatal exercises and post natal exercises.

(LE 179)

APRIL 2014

Sub. Code:2073

**M.D. DEGREE EXAMINATION
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**PHYSICAL MEDICINE & REHABILITATION-II
(CARDIAC AND PULMONARY REHABILITATION, GERIATRICS, O & G)**

Q.P.Code: 202073

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Rehabilitation of an elderly patient with acute Myocardial infarction.
2. Rehabilitation of an elderly female patient with osteoporosis.

II. Write notes on:

(10X7=70)

1. Effects of antihypertensives on exercise responses.
2. Young lady with grade I uterine prolapse.
3. Exercise in pregnancy.
4. Cardiac asthma.
5. Prevent falls in elderly.
6. Resistant hypertension.
7. Positron Emission Tomogram scan.
8. Goals of pulmonary rehabilitation.
9. Congestive cardiac failure.
10. Proximal muscle weakness in elderly.
