Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination –APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Paper – 1 – Principles of Physiotherapy Practice, Research Methodology & Biostatistics
(RS & RS 2)

Q.P. CODE : 8111

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Explain objectives of research. Describe Various steps in testing of hypothesis.

2. What is Evidence Based Practice (EBP)? Discuss about importance of EBP in Physiotherapy.

SHORT ESSAY **6 X 10 = 60 Marks**

3. History of physiotherapy as a profession

4. Importance of documentation and treatment planning.

5. Experimental Design

6. Sample Size Determination

7. Validity Evaluation

8. Delphi Study

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Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Paper – II – Biomechanics, Exercise Physiology & Electrophysiology (RS & RS 2)

Q.P. CODE : 8112

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe the Principles of Ergonomics. Explain the Biomechanics involved in the transfer from wheel chair to bed.
2. Discuss Aerobic Energy metabolism in Derail.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Extensor expansion of hand and pathomechanics of any two deformities.
4. Consideration of age and sex in exercise and training.
5. Components of electrophysiological assessment devices.
6. Visual Evoke Potential.
7. Describe electrical stimulation and its effects on various systems.
8. Normal and applied Biomechanics of spine.

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Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Paper – III – Physical & Functional Diagnosis

Q.P. CODE: 8113

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe electrophysiological assessment in detail.
2. Outline the steps in Neuro-developmental assessment.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Qualitative analysis of gait
4. Assessment of flexibility
5. Bicycle ergometry
6. Methods used in evaluation of pain
7. Scales used in shoulder dysfunction
8. Adaptive functional devices to improve gait dysfunction

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Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

PHYSIOTHERAPEUTICS

Q.P. CODE: 8114

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Explain the physiotherapy role during ante natal and post natal period.
2. Discuss the various concepts and kinds of yoga practices in detail.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Asanas vs muscular exercises and pranayama vs deep breathing exercises – justify your selection.
4. Role of physiotherapy in obstetric and gynecological disorders
5. Explain Ergonomic aspects of exercise on oxygen, MET and energy consumption.
6. Describe the principles of different schools of thought of manual therapy.
7. Theories of aging
8. Discuss on the usage of CPR, monitoring systems, defibrillators and artificial respirators in a modern ICU setup.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Musculoskeletal & Sports Physiotherapy
(RS–3 & RS–4)
Q.P. CODE: 8115

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the evaluation with differential diagnosis of a patient with heel pain.
2. Describe various joint mobilization techniques with recent advances, used by physiotherapist for frozen shoulder.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Explain the physiotherapy management for below knee amputation. Add a note on prosthetic prescription.
4. Explain kinetic and kinematics analysis for any two functional activities.
5. Explain the physiotherapy management for metabolic bone disorders.
6. Explain the pre and post operative physiotherapy following tendon transfer.
7. Explain the physical disability evaluation methods.
8. Explain principles of management of sports injuries.

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Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Neurological and Psychosomatic Disorders
Q.P. CODE: 8116

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Define multiple sclerosis. Explain assessment and management of Fatigue and gait in MS with duration of 2 years in a male patient of 52 years.
2. Write about the recent advances in improving gait in Stroke.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Locomotor training in Parkinson’s
4. Biofeedback in Neurorehab
5. Oro-motor rehabilitation
6. Assessment of ANS and its relevance to physiotherapy
7. Perception testing and training
8. FES – Functional Electrical Stimulation

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Community Rehabilitation

Q.P. CODE: 8118

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. You are the consulting physiotherapist in a garment industry. What kind of work related musculoskeletal problems do you anticipate in the worker with respect to the cervical spine and upper limbs. What environment modification guidelines would you prescribe?
2. Recent advance on pain in chronic disability

SHORT ESSAY **6 X 10 = 60 Marks**

3. Education of a person with stroke with emphasis on secondary complication.
4. What is the role of return to work assessment in a person with a back injury sustained at work?
5. Critique the implementation of legal framework for disabled individual in India
6. Elucidate the role of physiotherapy in maternal health
7. Discuss the role of anganawadi workers in childhood fitness promotion.
8. Guidelines to develop a home program for a person with asthma

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy part II Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Pediatrics

(RS)

Q.P. CODE: 8119

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. How would you plan Qualitative analysis of Therapeutic Motor Intervention program for children with Cerebral Palsy?
2. Recent advance on interventions for children with cerebral palsy to improve sitting postural control

SHORT ESSAY **6 X 10 = 60 Marks**

3. List 4 Walking Equipments for cerebral palsy children & explain their role in gait. (2 + 8)
4. Idiopathic Toe walking in normal children: Explain the Underlying Mechanisms.
5. Biomechanical evaluation in the assessment of clubfoot
6. What is Congenital Hip Dislocation? Causes and treatment with pavlik harness (2 + 3 + 5)
7. Explain the effect of intensive neurodevelopmental treatment on 5 gross motor functions in children with cerebral palsy (2 X 5)
8. Explain 4 theories of motor control and rationale for the development of any one neurological treatment approach based on motor control theory. (5 + 5)

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] **[Max. Marks: 100]**

Principles of Physiotherapy Practice, Research Methodology and Biostatistics, Exercise Physiology, electrophysiology

(Revised Scheme)

Q.P. CODE: 8121

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Explain the adaptations of various systems to different types of exercise training.
2. Describe the various types of study design ins implications in research.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Explain the muscles plasticity in response to neuromuscular electrical stimulation
4. Explain the different methods of Fatigue assessment.
5. Discuss the ethical principles for a Physiotherapist in a Hospital.
6. Explain the various properties of measurement such as reliability, validity, responsiveness and MCID.
7. Explain the documentation of patient evaluation based on International Classification of functioning Disability and Health.
8. Explain the anatomy and physiology of peripheral nerve, muscle and neuromuscular junction.

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Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Physical and Functional Diagnosis

Q.P. CODE: 8122

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Developmental screening and developmental diagnosis
2. Explain the principles of musculoskeletal assessment.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Disability evaluation
4. EMG
5. Spirometry
6. Motor learning theories
7. S D curve
8. Geriatric assessment

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] **[Max. Marks: 100]**

Physiotherapeutics
Q.P. CODE: 8123

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe the management of stroke on basis of Neuro developmental approaches.
2. Discuss coronary artery diseases and its physiotherapy interventions with recent advances.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Explain Gait training with functional devices.
4. Explain the Effects of Yoga on Cardiovascular system.
5. Define pain. Explain various theories of pain.
6. Explain the McKenzie's Extension principles and Explain the technique for Lumbar Spondylosis.
7. Explain the Exercise prescription for a 35 years obese patient with Type II Diabetes.
8. ICU monitoring System.

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Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Musculoskeletal Disorders and Sports
Q.P. CODE: 8124

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Enumerate physiotherapy management for fracture of rib cage.
2. Explain physiotherapy management following osteomyelitis with recent advances.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Write the principles muscle energy technique.
4. Explain the physiotherapy management for wrist arthroplasty.
5. Outline physiotherapy management following of flexor and extensor tendon hand injuries
6. Indicate physiotherapy management for TB spine
7. Illustrate physiotherapy management for psoriatic arthritis
8. Write the principles of McKenzie technique.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Neurological and Psychosomatic Disorders

Q.P. CODE: 8125

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Explain about the Functional Retraining Program for Thoracic level Spinal Cord Injury patients in a Rural set up.
2. Write about pathophysiology of spasticity and fatigue in multiple sclerosis.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Role of Basal Ganglia in movement
4. Define muscle tone, types of abnormal muscle tone and its causes.
5. PT management of sensory impairment
6. Role of Motor relearning programme in Balance training in Stroke
7. Write a note on vestibular rehabilitation.
8. PT management of Hypoxic Encephalopathy

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Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] **[Max. Marks: 100]**

Cardio Respiratory Disorders

Q.P. CODE: 8126

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Provide a framework for clinical decision making with respect to positioning and mobilizing patients with cardiopulmonary dysfunction.
2. Recent advances on effectiveness on progressive resisted exercises on glycemic control in subject with diabetes mellitus.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Describe Autogenic Drainage in detail.
4. Enumerate Energy Conservation and work simplification techniques.
5. Explain in detail how will you assess and treat a 60 year old male patient suffering from chronic bronchitis.
6. Discuss the general principles of PT management for Respiratory failure.
7. Explain various Risk Factors stratification and secondary prevention.
8. Rationale of early post-operative physiotherapy.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Community Physiotherapy

Q.P. CODE: 8127

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe the role of physiotherapy in the lifelong care of a child with Spastic Cerebral Palsy. Include the International Classification of Functioning Disability and Health (ICF) framework and Community Based Rehabilitation (CBR) matrix to elucidate your answer.
2. Describe the recent advances in the understanding of risk factors for in the elderly.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Discuss goal setting and management of hip joint arthritis as a community programme.
4. Discuss guidelines and space standards for barrier free built environment at home for wheel chair bound person.
5. What are the goal setting priorities in a person with Parkinson disease with freezing episodes?
6. What is the role of early intervention in childhood neurological disorders? Elucidate with an example.
7. Discuss goal setting and management of knee osteoarthritis as a community programme.
8. Plan an ergonomic evaluation protocol for employees working in a textile shop

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Master of Physiotherapy Degree Examination – APRIL-2019

[Time: 3 Hours] [Max. Marks: 100]

Paediatric

Q.P. CODE: 8128

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Enumerate the types of genetic disorders.
2. Write in detail about high risk Babies and its management with recent advances.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Adaptive equipments for physically challenged children’s
4. Spina Bifida
5. Developmental screening
6. Motor learning
7. DMD and its PT management
8. Primitive reflexes

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Paper – 1 – Principles of Physiotherapy Practice & Research Methodology & Biostatistics

(Revised Scheme)

Q.P. CODE: 8111

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Justify role of objective and subjective patient evaluation methods in physiotherapy practice.
2. Describe in detail Inferential statistics with significance based on parametric and non-parametric tests.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Write a note on historical development of physiotherapy profession.
4. Methods of data collection
5. Scope of physiotherapy in community
6. Ethical issues in physiotherapy practice
7. Discuss the WCPT rules and regulations governing physiotherapy practice.
8. Explain the various steps in research process.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Paper – II – Biomechanics, Exercise Physiology & Electrophysiology (RS & RS 2)

Q.P. CODE : 8112

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Explain the biomechanical Properties of Musculoskeletal System.

2. Discuss Energy System in Detail.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Describe ergonomic approach to lifting.

4. Exercise Prescription in Type II Hypertensive Patients.

5. Explain the Electrical Properties of Nerve and muscle.

6. Motor and Sensory Nerve Conduction velocity.

7. Describe Muscle Plasticity in response to electrical stimulation.

8. Biomechanics of Gait.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Paper – III – Physical & Functional Diagnosis

Q.P. CODE: 8113

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. List out various on field and off field tests used in fitness testing with significance.
2. Aids and appliances used in neurological dysfunction

SHORT ESSAY **6 X 10 = 60 Marks**

3. PFT in COPD
4. Role of pre activity screening in cardio-pulmonary rehabilitation
5. Roods approach
6. Abnormal EMG findings
7. Assessment of fall risk in elderly clients
8. Components of motor control assessment

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Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

PHYSIOTHERAPEUTICS

Q.P. CODE: 8114

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the techniques, effects on various systems and uses of massage techniques. Add a note on the indications and contraindications for the same.
2. Manual therapy and its different schools of thought

SHORT ESSAY **6 X 10 = 60 Marks**

3. Pathological pain
4. Role of a biofeedback and electrical stimulation in tendon transfer
5. Aerobic vs isokinetic exercises
6. Energy consumption MET values of various asanas
7. Effects of burst TENS. Add note on indications and contraindications.
8. Yoga and modern education

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] **[Max. Marks: 100]**

Musculoskeletal & SPORTS PHYSIOTHERAPY

(RS–3 & RS–4)

Q.P. CODE: 8115

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Pre and post operative physiotherapy in tendon transfer.
2. Physiotherapy management in osteoarthritis of the knee.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Discuss Hand function.
4. Principles of Injury Prevention.
5. Physiotherapy management for rheumatoid arthritis.
6. Pilates-school of thought.
7. Physiotherapy management of tennis elbow.
8. Post operative treatment for Hemi Arthroplasty.

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Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Neurological and Psychosomatic Disorders

Q.P. CODE: 8116

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Define motor control. What are the various theories of motor control? Add a note on the clinical implications for each
2. Recent advances on the Effect of Treadmill-based Incremental Leg Weight Loading Training on the Balance of Stroke Patients.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Enumerate the clinical features of multiple sclerosis and discuss the physiotherapy management of the same with predominant Cerebellar ataxia
4. Explain the physiotherapy management for Parkinson's patients. Add a note on honeymoon period
5. Oro motor Rehabilitation and its significance to physiotherapy
6. Explain about the complications of severe traumatic brain injuries. Add a note on coma stimulation and methods of normalizing tone of a diffuse axonal injury patient
7. Explain voluntary control assessment in detail
8. Discuss vestibular Rehabilitation in Benign Paroxysmal positional vertigo (BPPV)

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Principles of Physiotherapy Practice, Research Methodology and Biostatistics, Exercise Physiology, electrophysiology

Q.P. CODE: 8121

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Explain the ethical principles in practice of physiotherapy in a Hospital and community.
2. Explain the environmental factors that influences on various systems of the body during performance.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Explain the Instrumentation for neuromuscular electrical stimulation.
4. Discuss the standardized tests and scales used in assessment of Gait.
5. Explain the MET value of various exercises and activity and its importance in rehabilitation.
6. Explain the anatomy and physiology of peripheral nerve, muscle and neuromuscular junction.
7. Explain the different types of outcome measures with its uses in rehabilitation research.
8. Explain the various measures of central tendency.

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Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Physical and Functional Diagnosis

Q.P. CODE: 8122

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Define physical fitness and explain in detail sport related fitness components.
2. Aids and appliances, adaptive functional devices to improve movement dysfunction

SHORT ESSAY **6 X 10 = 60 Marks**

3. Exercise ECG testing
4. Analysis of Gait deviations in frontal plane
5. Theories of Aging
6. Interpretation and significance of Spirometry
7. EMG findings in Radiculopathies
8. Pathological investigations of Musculoskeletal disorders

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] **[Max. Marks: 100]**

Physiotherapeutics

Q.P. CODE: 8123

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe in detail cardiac rehabilitation for Coronary Bypass Grafting patient. Explain the effects of aerobic exercises on cardiac function.
2. Explain physiotherapy protocol for functional recovery of ACL reconstruction.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Explain Exercise prescription for type II diabetic patients.
4. Explain Physiotherapy interventions for Radial Nerve injury.
5. Explain Recent advances in pediatric physiotherapy.
6. Core muscle training and its importance.
7. Biofeed back Mechanism.
8. Bobath approach in stroke patients.

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Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Musculoskeletal Disorders and Sports

Q.P. CODE: 8124

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Enumerate Physiotherapy management for spinal stabilization surgery.
2. Explain physiotherapy management following multiple myeloma with recent advances.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Write the principles taping technique.
4. Explain the biomechanical compatibility of external aids.
5. Describe sports fitness.
6. Indicate about functional assessment
7. Illustrate physiotherapy management for fracture of pelvis
8. Write the principles of Mulligan technique.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Neurological and Psychosomatic Disorders

Q.P. CODE: 8125

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Explain the evaluation of ANS dysfunction in detail.
2. Recent advances in Aquatic therapy in the treatment of Spinal Cord Injury patients

SHORT ESSAY **6 X 10 = 60 Marks**

3. Facilitation and Inhibition techniques
4. Neurogenic bladder and its rehabilitation
5. Tardieu scale
6. Blink reflex
7. Oromotor rehabilitation
8. Developmental screening tools

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Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Cardio Respiratory Disorders

Q.P. CODE: 8126

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Classify Peripheral Vascular Disease (PVD). Write about the investigations and role of physiotherapy in PVD giving recent advances.
2. Describe the epidemiology, pathophysiology, symptoms and classification of COPD.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Explain the core components of pulmonary rehabilitation program based on the AACVPR Guidelines.
4. Write down the exercise prescription for a patient with hypertension giving rationale.
5. Write the risk factors and preventive measures in cardio vascular disorders.
6. Manual hyperinflation technique
7. Write a note weaning of mechanical ventilation.
8. Describe the METS. Write its significance in prescribing exercises in cardiovascular conditions.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Community Physiotherapy

Q.P. CODE: 8127

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe the role of physiotherapy in the lifelong care of a person with Parkinson disease. Include the International Classification of Functioning Disability and Health (ICF) framework and Community Based Rehabilitation (CBR) matrix to elucidate your answer.
2. Describe the recent advances in the rehabilitation of the hand in stroke.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Discuss the role of district rehabilitation centres in disability management.
4. Guidelines to develop a home program for a person with dementia
5. Education of a person with arthritis with emphasis on joint protection and physical activity
6. What is the role of Functional Capacity Evaluation (FCE) in a person with a back injury sustained at work?
7. Critique the current state of disability policy in India
8. Elucidate the role of physiotherapy in early intervention of childhood disability

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Master of Physiotherapy Degree Examination – OCT-2019

[Time: 3 Hours] [Max. Marks: 100]

Paediatric

Q.P. CODE: 8128

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe Stage of cognitive development in a typically developing child.
2. Explain management strategies for a child with spinal cord injury at L4 level.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Assessment of CTEV
4. Management of congenital pneumonia
5. Principles of Neurodevelopment therapy
6. Clinical and genetic assessments in a child with downs syndrome
7. Management of spastic hand
8. Assessment of High risk infants

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