Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - Nov 2014

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

BASIC SCIENCES

Q.P. CODE: 8101

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. What is stress-strain curve? Explain the behavior of connective tissues using stress-strain curve.
2. Write an essay on obesity and weight control.

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

3. Parametric versus non-parametric tests
4. VO_2 MAX analysis
5. Instrumentation for Neuromuscular electrical stimulation
6. Biomechanics of respiration
7. Fatigue assessment
8. Role of upper extremity in gait

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - Nov 2014

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

P.T. NEUROLOGICAL AND PSYCHOSOMATIC DISORDERS

Q.P. CODE: 8106

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

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

1. Enumerate the clinical features of Facio-Scapulo-Humeral Muscular Dystrophy and discuss about the physiotherapy management of the same
2. Discuss about any two theories of Motor Control and its implications of the same in clinical practice

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

3. Repetitive nerve stimulation tests
4. Auditory and visual cueing in management of parkinson's disease
5. Autism spectrum disorders
6. Postural instability in cerebellar dysfunction
7. ASIA scale
8. Shoulder hand syndrome

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – Nov 2014

[Max. Marks: 100]

Time: 3 Hours]

COMMUNITY PHYSICAL THERAPY AND COMMUNITY BASED REHABILITATION

Q.P. CODE: 8107

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

2 X 20 = 40 Marks

LONG ESSAY

1. Write in detail about the organizational steps required to conduct a disability detection program? Write about the importance of early intervention program to reduce the disability impact in a society.
2. Institution based rehabilitation services and multi disciplinary approach.

6 X 10 = 60 Marks

SHORT ESSAY

3. Community Based Exercise Program to Prevent Falls in Elderly.
4. Evaluation of back pain in children and adolescents.
5. Scope of community physiotherapy.
6. Rationale and Advantage of Community Health Workers.
7. Barrier Free Environments for Disabled Individuals.
8. Rehabilitation counseling: Evolution and current status.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – Nov 2014

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

PAEDIATRIC PHYSIOTHERAPY

Q.P. CODE: 8108

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

2 X 20 = 40 Marks

ONG ESSAY

1. Discuss the assessment, the importance of early intervention and the management in high risk babies
2. Describe the assessment and management of a child suffering from cystic fibrosis

6 X 10 = 60 Marks

HORT ESSAY

3. Role of non government organization in paediatrics
4. Role of sensory input in motor learning
5. Common congenital deformities of spine in children
6. Electro diagnostic studies in lower motor neurone disorders
7. Significance of arterial blood gas analysis
8. Development of speech and communication

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – Nov 2014

[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. Discuss the International classification of Functioning Disability and Health (ICF) documentation with an example.
2. What is Evidence Based practice (EBP). Discuss about importance of evidence based practice in physiotherapy.

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

3. History of physiotherapy as a profession
4. Epidemiological study designs
5. Importance of documentation and treatment planning
6. Methods of data collection
7. Problem oriented medical records (POMR)
8. Ethical issues in physiotherapy practice

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – Nov 2014

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

Paper – III – Physical & Functional Diagnosis
(RS & RS 2)

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. Physical Disability evaluation and disability diagnosis in geriatric population.
2. Quantitative analysis of EMG and its abnormal findings – explain in detail.

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

3. Spirometry and its implications in pulmonary rehabilitation.
4. Methods used for Gait analysis.
5. Motor Control assessment.
6. Aids and appliances in the management of lower limb Nerve injuries.
7. Exercise ECG testing and its importance
8. Scales used in Neurological Disorders.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy – Part II Degree Examination – Nov 2014

[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 neurobiology of pain. Explain the various theories, modulation and management of pain.
2. Explain in detail the various methods of exercise testing and prescription for cardiac patients.

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

3. Pranayama – methods and benefits
4. Discuss the method of Z plasty. Add a note on physiotherapy following plastic surgery.
5. Principles of exercise prescription for geriatric population
6. Post natal physiotherapy program
7. Role of physiotherapy in Psychiatric conditions
8. Define massage. Describe the techniques of massage for sports injury and its physiological benefits.

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy – Part II Degree Examination – Nov 2014

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

PEDIATRICS

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. Discuss the rehabilitation of a child with meningomyelocele at the upper lumbar level.
2. Recent advances on Balance assessment and management in children

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

3. Physiotherapy assessment for 12 year old girl with respiratory disorders
4. Home programme advise in cystic fibrosis children
5. Physiotherapy management in torticollis and add a note on application orthosis for the same
6. Discuss the evaluation and prescription of exercise in children with childhood obesity.
7. Classify muscular dystrophy and describe the clinical features of any one type.
8. Perinatal asphyxia and physiotherapy

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