

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – 21-Jul-2020

[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 adaptations of various systems to different types of exercise training.
2. Describe the documentation procedure adapted in terms of assessment and management in rehabilitation based on International Classification of Functional Disability and health (ICF).

SHORT ESSAY

6 X 10 = 60 Marks

3. Explain the muscles plasticity in response to electrical stimulation.
4. Explain the various sources of energy production in the body.
5. Explain the strategies in translating of evidence into practice.
6. Explain repeated measures ANOVA.
7. Discuss the ethical principles for a Physiotherapist in clinical practice.
8. Explain the different methods of Fatigue assessment.

* * * * *

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. Biomechanical analysis of Posture
2. Pulmonary function test

SHORT ESSAY

6 X 10 = 60 Marks

3. Motor learning theories
4. Physical fitness assessment
5. Nerve conduction studies in peripheral nerve injury
6. Anthropometric measurements
7. Types of aids and appliances used to improve movement dysfunctions in cerebral palsy
8. Analysis of Gait deviations in Parkinsonism and Hemiplegic patients

* * * * *

[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. Give a brief description of exercise tolerance tests, methods and principles of exercise prescription.
2. Cancer rehabilitation Protocol and General Guidelines of management

SHORT ESSAY

6 X 10 = 60 Marks

3. Maitlands principles of assessment and treatment
4. Role of physiotherapy in psychiatric conditions
5. Exercise prescription for cardiovascular disease
6. Recent advances in management of osteoarthritis
7. Explain in detail about artificial respirators and their uses.
8. Muscle energy Techniques

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 29-Jul-2020

[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 with example the role of National and International non-governmental agencies in prevention of disabilities.
2. Describe the risk factors for falls in the elderly. Describe the role of strengthening exercises in fall prevention.

SHORT ESSAY

6 X 10 = 60 Marks

3. What are work related musculoskeletal disorders (WRMSD)? What are the common WRMSD associated with visual display units?
4. What are the assessment methods for identification of children with developmental delay in the community?
5. Describe the scope, role and responsibilities of the physiotherapist in community health promotion.
6. describe the physiological changes that occur with aging in the neuromusculoskeletal system.s
7. Describe with an example international classification of functioning health and disease and the usefulness of this model for goal setting in physiotherapy.
8. Analyse the need difference between work hardening and work conditioning programs in rehabilitation of workers with low back pain.

* * * * *

[Time: 3 Hours]

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. Biomechanical analysis of Posture
2. Pulmonary function test

SHORT ESSAY

6 X 10 = 60 Marks

3. Motor learning theories
4. Physical fitness assessment
5. Nerve conduction studies in peripheral nerve injury
6. Anthropometric measurements
7. Types of aids and appliances used to improve movement dysfunctions in cerebral palsy
8. Analysis of Gait deviations in Parkinsonism and Hemiplegic patients

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 27-Jul-2020

[Time: 3 Hours]

[Max. Marks

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

1. Give a brief description of exercise tolerance tests, methods and principles of exercise prescription.
2. Cancer rehabilitation Protocol and General Guidelines of management

SHORT ESSAY

6 X 10 = 60

3. Maitlands principles of assessment and treatment
4. Role of physiotherapy in psychiatric conditions
5. Exercise prescription for cardiovascular disease
6. Recent advances in management of osteoarthritis
7. Explain in detail about artificial respirators and their uses.
8. Muscle energy Techniques

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 29-Jul-2020

[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

1. Describe with example the role of National and International non-governmental agencies in prevention of disabilities.
2. Describe the risk factors for falls in the elderly. Describe the role of strengthening exercises in fall prevention.

2 X 20 = 40 Marks

SHORT ESSAY

3. What are work related musculoskeletal disorders (WRMSD)? What are the common WRMSD associated with visual display units?
4. What are the assessment methods for identification of children with developmental delay in the community?
5. Describe the scope, role and responsibilities of the physiotherapist in community health promotion.
6. describe the physiological changes that occur with aging in the neuromusculoskeletal system.s
7. Describe with an example international classification of functioning health and disease and the usefulness of this model for goal setting in physiotherapy.
8. Analyse the need difference between work hardening and work conditioning programs in rehabilitation of workers with low back pain.

6 X 10 = 60 Marks

* * * * *