

Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 03-Mar-2021

[Time: 3 Hours]

[Max. Marks: 100]

**Principles of Physiotherapy Practice, Research Methodology and Biostatistics,
Exercise Physiology, electrophysiology – (RS-2)**

Q.P. CODE: 8121

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

Answer All The Questions

10 X 10 = 100 Marks

1. Explain the features of various type of electrical currents used in stimulation of the neuromuscular system.
2. Discuss the Quantitative study designs in research.
3. Explain the various sources of energy during endurance exercises.
4. Explain the various measures of central tendency.
5. Explain the consideration of age and sex in exercise and training.
6. Discuss the standardized tests and scales used in assessment of Balance.
7. Explain the uses of International classification of functioning Disability and Health in patient management.
8. Explain environmental influence on performance.
9. Explain the response and adaptation of Muscle to neuromuscular electrical stimulation.
10. Explain the scientific organization of work-rest regimes to control fatigue.

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**NAVODAYA
COLLEGE OF
PHYSIOTHERAPY**

Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 05-Mar-2021

[Time: 3 Hours]

[Max. Marks: 100]

PHYSICAL AND FUNCTIONAL DIAGNOSIS – (RS-2)

Q.P. CODE: 8122

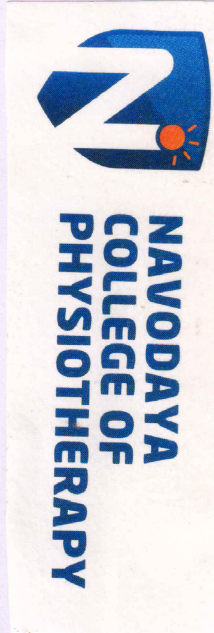
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Answer All The Questions

10 X 10 = 100 Marks

1. Physical fitness assessment.
2. Quantitative analysis of gait.
3. Pulmonary function test used in restrictive lung disorder.
4. Motor learning theories.
5. EMG
6. Special tests for shoulder joint dysfunction.
7. Developmental screening tests.
8. Geriatric assessment.
9. Anthropometric measurements.
10. AIDS and appliance used in Bracial plexuses Injury.

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Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 09-Mar-2021

[Time: 3 Hours]

[Max. Marks: 100]

PHYSIOTHERAPEUTICS (RS-2)

Q.P. CODE: 8123

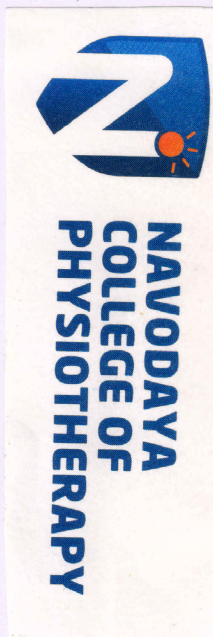
Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions

10 X 10 = 100 Marks

1. Explain exercise prescription for a 60-year-old obese. Diabetic male patient with knee joint osteoarthritis.
2. Define work related musculoskeletal disorders. Plan an ergonomic program for a 35-year-old computer operator with neck pain.
3. Explain the physiotherapy management for Hysterectomy patients with recent advances.
4. Discuss core stability program for chronic Low back pain.
5. Explain the Significance of Biofeedback mechanism in stroke patient.
6. Maitland mobilization for shoulder joint.
7. Explain the Chest physiotherapy for mechanically ventilated ICU patient with pneumonia.
8. Explain the Effect of surged faradic current on Myofascial trigger point.
9. Explain theories of Aging.
10. Theories of Motor control.

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Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 12-Mar-2021

[Time: 3 Hours]

[Max. Marks: 100]

MUSCULOSKELETAL DISORDERS AND SPORTS – (RS-2)

Q.P. CODE: 8124

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Answer All The Questions

10 X 10 = 100 Marks

1. Write the physiotherapy assessment and management for Clay Shoveller's fracture.
2. Describe the causes, clinical features, complication and management of Psoriatic arthritis.
3. Explain Cyriax technique.
4. Describe the causes, clinical features, complications and management of multiple myeloma.
5. Write recent advances in sports injury rehabilitation.
6. Explain the PT management following tendon transfer surgery.
7. Enumerate physiotherapy management for soft tissue release surgery.
8. Explain the physiotherapy management for spinal dysraphism.
9. Write physiotherapy management for RSD.
10. Explain sports nutrition.

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Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 12-Mar-2021

[Time: 3 Hours]

[Max. Marks: 100]

NEUROLOGICAL AND PSYCHOSOMATIC DISORDERS – (RS-2)
Q.P. CODE: 8125

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

Answer All The Questions

10 X 10 = 100 Marks

1. Dysphagia and its management.
2. Define Somatosensory evoked potential.
3. Aquatic therapy in spinal cord injury. Write in brief recent advances in aquatic therapy for SCI.
4. Vestibular rehabilitation.
5. Define multiple sclerosis and PT management.
6. Explain GUILLAIN BARREE SYNDROME, clinical features and PT management.
7. Effect of mirror therapy in hand rehabilitation of stroke patients.
8. Define whiplash Injury and write the assessment and management of 45 year Male patient diagnosed as whiplash Injury.
9. Role of Yoga in Stroke rehabilitation.
10. Write the special tests, clinical features and PT management of meningitis.

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Master of Physiotherapy Degree Examination – 12-Mar-2021

[Time: 3 Hours]

[Max. Marks: 100]

CARDIO RESPIRATORY DISORDERS (RS-2)

Q.P. CODE: 8126

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Answer All the Questions

10 X 10 = 100 Marks

1. Explain the effects of resistance training in Cardiopulmonary disorders and give evidence for the same.
2. Explain in brief the exercise testing protocol, indications, contraindications and termination criteria for Cardiac disease population.
3. Describe in detail the Oxygen Transport System.
4. Write recent advances on criteria of Mobilization of patient in Critical Care Unit.
5. Explain the acute effects of aerobic exercises on Cardiopulmonary system.
6. Role of balance training in patients with Chronic obstructive pulmonary disease.
7. List out the post operative pulmonary complications occurring in individuals undergoing upper abdominal surgery and explain the role of physiotherapist in the management of the same.
8. List out and explain the various therapeutic modalities used for healing of Diabetic foot ulcer.
9. Write in detail about PT assessment and management for COPD.
10. Describe the physiotherapy technique to clear the secretions.

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Rajiv Gandhi University of Health Sciences, Karnataka
Master of Physiotherapy Degree Examination – 12-Mar-2021

[Time: 3 Hours]

[Max. Marks: 100]

COMMUNITY PHYSIOTHERAPY (RS-2)

Q.P. CODE: 8127

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Answer All The Questions

10 X 10 = 100 Marks

1. Describe the concept of health and wellness. What is the role of physiotherapy in promoting health?
2. What are the levels of health care delivery in India? Describe the role of the physiotherapist in a primary health centre.
3. Describe the concept of rehabilitation using the international classification of functioning, disability and health framework.
4. Elucidate the need for public awareness programs on disability prevention in India using a case example.
5. What is the relevance of persons with disability act (revised 2016) to the delivery of rehabilitation services?
6. "A stitch in time saves in nine". Justify this proverb in the context of neurodevelopmental disabilities.
7. Describe the theories of aging and their relevance to rehabilitation of the elderly.
8. A 70 y/o lady with a Berg balance score of 34 and H/o diabetes for 20 years, controlled with oral hypoglycaemics is referred to you for evaluation and management H/o of falls. Describe your approach to evaluation and management.
9. What is "ergonomic triangle"? How do you use this concept in dealing with work related musculoskeletal disorders?
10. Describe the role of physiotherapy in incontinence.

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[Time: 3 Hours]

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PAEDIATRIC- (RS-2)

Q.P. CODE: 8128

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Answer All The Questions

10 X 0 = 100 Marks

1. Define sensory integration. Write management of Ten year old boy with autism.
2. Write in detail role of paediatric physiotherapy in Neonatal Intensive Care Unit (NICU).
3. Erb's palsy – Role of Physiotherapy.
4. Torticollis - Role of Physiotherapy.
5. Congenital dislocation of Hip – outline assessment and treatment.
6. Fitness testing in children.
7. Exercise prescription for 12 year old girl with Juvenile Diabetes.
8. Development of Hand Function.
9. Pulmonary rehabilitation in pediatrics.
10. Motor learning theories.

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