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

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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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Master of Physiotherapy Degree Examination – 05-Mar-2021

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

PHYSICAL AND FUNCTIONAL DIAGNOSIS – (RS-2)

Q.P. CODE: 8122

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. 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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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]

Corrections

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.

Read Question No. 2 as :

2. Describe the causes, clinical features, complication and management of Psoriatic arthritis.

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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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Rajiv Gandhi University of Health Sciences, Karnataka

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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Master of Physiotherapy Degree Examination – 12-Mar-2021

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

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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Rajiv Gandhi University of Health Sciences, Karnataka

Master of Physiotherapy Degree Examination – 22-Oct-2021

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

PHYSIOTHERAPEUTICS – PAPER-IV (RS)

Q.P. CODE: 8114

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. Discuss the techniques, effects and uses of Maitland manipulation. Add a note on its indications and contraindications.
2. Discuss the various methods to manage chronic pain in detail.
3. Gestational physiotherapy.
4. Anaerobic vs isometric exercises.
5. Explain various theories of aging.
6. Energy consumption MET values during various aerobic activities.
7. Effects of pulsed SWD. Add a note on its indications and contraindications.
8. Role of a physiotherapist in a Cardiac ICU.
9. Write a note on Maitland technique.
10. Role of physiotherapy in psychiatric conditions.

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Rajiv Gandhi University of Health Sciences, Karnataka

Master of Physiotherapy part II Degree Examination – 25-Oct-2021

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

PEDIATRICS

PAPER -V (RS)

Q.P. CODE: 8119

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. What is developmental co-ordination disorder? Write about evaluation and PT management of developmental co-ordination disorders.
2. Write about recent advances on effect of balance intervention on postural control and gait efficiency in preschoolers with down syndrome.
3. Write about pre participation assessment in 14 years old athlete.
4. Write about PT rehabilitation following spina bifida correction surgery in 6 year old girl.
5. Explain about post operative PT management of ventricular septal defect in 8 years child.
6. Write about muscular dystrophy and its clinical features. Explain the PT management to improve locomotion.
7. Write about the musculoskeletal impairments in poliomyelitis and its management.
8. Write about assessment and management for Juvenile diabetes.
9. Principles of normal development.
10. Motor learning theories.

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Rajiv Gandhi University of Health Sciences, Karnataka

Master of Physiotherapy Degree Examination – 22-Oct-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. History taking in physiotherapy.
2. Discuss reporting results.
3. Explain Quantitative study.
4. Physiotherapy records retrieval and disposal in documentation.
5. Functional electrical stimulation on various systems.
6. Elaborate sampling distributions.
7. Interpretation of tests and scales in physiotherapy.
8. Explain clinical pathways and clinical practice guidelines.
9. Justify tests of comparison.
10. Ethical issues in practice of physiotherapy.

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Master of Physiotherapy Degree Examination – 25-Oct-2021

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

PHYSICAL AND FUNCTIONAL DIAGNOSIS (RS-2)

Q.P. CODE: 8122

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 purpose and components of motor control assessment.
2. Explain the various methods used to measure pulmonary function.
3. Disability diagnosis and evaluation.
4. Describe the various methods used in Anthropometric measurement.
5. Explain different Screening tools for high risk infants.
6. Explain different types of imaging used in neurological dysfunction.
7. Explain EMG features in myogenic lesions.
8. Explain different methods of gait diagnosis.
9. Explain the evaluation of Aging.
10. Explain the various components of physical fitness assessment.

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Rajiv Gandhi University of Health Sciences, Karnataka

Master of Physiotherapy Degree Examination – 27th Oct 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. Theories of Pain. Different methods in management of Pain.
2. Theories of Motor Control. Recent advance in Neurological rehabilitation.
3. Define Asanas. Classification and scope of Asanas.
4. Principles of Cardio Pulmonary Resuscitation. Outline of Monitoring Systems in ICU.
5. Explain in detail management of CTEV.
6. Exercise Prescription for Obesity.
7. Role of electrotherapy in Pain management.
8. Principles of management in Soft tissue injuries.
9. Role of physiotherapy in CABG.
10. Ergonomic program for a 45 year old computer operator with Neck Pain.

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Master of Physiotherapy Degree Examination – 29-Oct-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. Classification of sports injury.
2. Rehabilitation following total knee replacement.
3. Recent advances in post ACL reconstruction physiotherapy management.
4. Explain the role of core stabilization in physiotherapy rehabilitation.
5. Explain in detail the pathomechanics of deformities in rheumatoid hand.
6. Write in detail about hand rehabilitation following Flexor tendon repair.
7. Explain the principles of McKenzie and Maitland manual therapy.
8. Explain the complications of fracture of neck of femur with its management.
9. Rehabilitation of Runner’s knee-recent advances.
10. Explain electrical stimulation and bio feedback procedure in tendon transfer.

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Rajiv Gandhi University of Health Sciences, Karnataka

Master of Physiotherapy Degree Examination – 29-Oct-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. Brunstorm approach in stroke rehabilitation.
2. Facilitation techniques.
3. PT management of 72 year old patient with Parkinson's disease.
4. Autonomic dysreflexia and its complications.
5. Spastic and flaccid bladder.
6. Role of Functional Electrical Stimulation in foot drop.
7. Role of physiotherapy in preventing pressure sore in SCI.
8. Recent advances in aquatic therapy in stroke patients.
9. Write a note on Coma stimulation.
10. ICU management of 65 year old female patient diagnosed with TBI.

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Rajiv Gandhi University of Health Sciences, Karnataka

Master of Physiotherapy Degree Examination – 29-Oct-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. Write the post operative rehabilitation for a patient who is undergone for CABG.
2. Explain the exercise tolerance testing. Write the recent advances in sophisticated ETT.
3. Explain the components of pulmonary function test.
4. Explain various physiotherapy modalities used for wound healing.
5. Write a note on pulse oximetry.
6. Write the physiological basis for neuromuscular facilitation techniques.
7. Write radiographic presentation of COPD.
8. Holter monitoring.
9. Hazards of Suctioning.
10. Write the recent advances in treating cystic fibrosis.

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Master of Physiotherapy Degree Examination – 29-Oct-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 with an example the role of non-governmental agencies in prevention of disabilities.
2. Describe the importance of theories of aging in exercise prescription in Geriatric population.
3. What are occupational hazards? What are the hazards associated with vibration tools?
4. What are the strategies for identification of elders at risk of fall in the community?
5. Describe the scope, role and responsibilities of the physiotherapist in primary health care delivery.
6. Describe the physiological changes in the Musculo skeletal system with aging.
7. Describe with an example the usefulness of ICF core sets in evaluation.
8. Analyse the need for physical activity promotion programs in India.
9. Discuss the role of physiotherapy in the management of PCOS.
10. Discuss the principles of wheelchair prescription.

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Rajiv Gandhi University of Health Sciences, Karnataka

Master of Physiotherapy Degree Examination – 29-Oct-2021

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

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 10 = 100 Marks

1. Developmental screening tests.
2. Physiotherapy management of paediatric asthma.
3. Physiotherapy management of congenital hip dysplasia.
4. What are primary reflexes? Explain reflex maturation of a baby up to 1 year.
5. Physiotherapy management of acute brain injury in children.
6. Cardio respiratory assessment of infant with pneumonia.
7. Effectiveness of NDT approaches in treating cerebral palsy children.
8. Recent advances in physiotherapy management of Muscular dystrophy.
9. Elaborate physiotherapy treatment for Down Syndrome babies.
10. Balance training program for children with developmental coordination disorder.

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