8102_9999_9_S202

Rajiv Gandhi University of Health Sciences

MASTER OF PHYSIOTHERAPY DEGREE EXAMINATION - MAY 2015

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

PHYSICAL AND FUNCTIONAL DIAGNOSIS – PARTS I AND II

QP Code: 8102

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. Write detail about the evaluation procedures of a 30 year old female patient with progressive muscular weakness
2. Write in detail the various anthropometric measurement

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

3. Glassgow coma scale
4. Diagnostic tests used in peripheral nerve injuries
5. EMG Biofeedback
6. ADL Measurement scales
7. Prosthetic evaluation in below knee amputation
8. MRI and its interpretations

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – MAY 2015

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

PHYSIOTHERAPEUTICS – I & II

Q.P. CODE: 8103

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. Role of physiotherapy in chronic obstructive pulmonary conditions
2. Role of Physiotherapy management of pain in musculoskeletal disorders

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

3. Role of physical therapy in bladder training
4. Role of biofeedback in physiotherapy practice
5. Aeroblic exercises and cardiac function
6. Physiotherapy for bed sores (Grade 3)
7. Physiotherapy management for a client who underwent tendor transfer surgery of tibialis posterior transferred to tibialis anterior
8. Physiotherapy management following hysterectomy

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – MAY 2015

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

P.T. IN CARDIORESPIRATORY DISORDERS AND INTENSIVE CARE

Q.P. CODE: 8104

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. Effects of aerobic exercise on cardiovascular system and pulmonary system.

2. Write down the phase – III cardiac rehabilitation for individuals who have undergone mitral valve surgery.

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

3. ECG, Echo-cardiogram and defibrillators.

4. Oxygen delivery systems.

5. Defense mechanism of lungs and cough reflex.

6. Types of breathing exercises, indications, effects and uses.

7. Describe the various techniques of PNF respiration, along with its physiological effects and uses.

8. Factors regulating blood pressure.

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – MAY 2015

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

P.T. IN MUSCULOSKELETAL DISORDERS AND SPORTS P.T.

Q.P. CODE: 8105

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 in detail the role of segmental stabilization in low back ache subjects and its rationale
2. Explain the concept of McKenzie method of treatment in detail.

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

3. Role of FES in foot drop
4. Biomechanical analysis of tennis elbow
5. Shin splints
6. Discuss the various methods of PT management in correcting scoliosis
7. Sports psychology
8. Postural reeducation

* * * * *

8106_9999_9_S274

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - MAY 2015

[Time: 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

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

1. Mention the stages of recovery of stroke and explain in detail the physiotherapeutic management of shoulder dysfunction in hemiplegia with respect to the stages of recovery
2. Discuss about the clinical features and physiotherapy management of a 27yr old ambulant Becker's Muscular Dystrophy patient

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

3. Sensory nerve conduction study of Ulnar nerve mention its General principles and procedure
4. Role of EMG biofeedback in neuro rehabilitation
5. Theories of motor learning
6. Peripheral vestibular dysfunction assessment
7. Complications of cervical level (complete) spinal cord injuries
8. Spastic diplegic gait

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – MAY 2015

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

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

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

1. Role of physiotherapy in preventing and managing common musculo- skeletal conditions associated with aged population.
2. Compare and contrast institution based rehabilitation and community based rehabilitation (CBR). Explain the role of governmental organization in the implementation of rehabilitation services at community level.

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

3. Role of non governmental organizations in community based rehabilitation.
4. Explain in detail health screening and its role in prevention of disabilities.
5. Essential components of a home exercise program designed for children with neurological impairments.
6. Explain the concept of work hardening and work conditioning and its role in reintegration of an injured worker back into the work force.
7. Discuss the various factors contributing to an increased number of falls in elderly, and role of physiotherapy in fall prevention.
8. Discuss early intervention as a rehabilitation strategy.

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – MAY 2015

[Time: 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

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

1. Discuss the gross motor and fine motor development in first year of life
2. Discuss the importance of developmental screening programmes in paediatric physiotherapy

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

3. Write in detail about the role of sensory integration therapy in the management of cerebral palsy
4. Define cerebral palsy. Discuss the high risk factors causing cerebral palsy
5. Enumerate the different types of adaptive devices
6. Discuss the role of physiotherapy in special schools
7. Discuss the problems of premature infants on mechanical ventilation
8. List the clinical features of Guilliane Barre syndrome. Discuss the physiotherapy management for Guilliaine Barre syndrome

* * * * *

8111_9999_9_S165

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – APRIL/MAY 2015

[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. What are the components of a Traditional Medical Record? What are the legal and practical aspects of record keeping? Explain the Problem Oriented Medical Record.
2. Explain in detail about experimental and non experimental research designs.

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

3. Discuss the aims and objectives and the ethical rules based on the memorandum of Indian Association of Physiotherapy.
4. Discuss the application of International Classification of Functioning, Disability and Health(ICF) to physiotherapy
5. What are the ethical theories and principles for physiotherapy practice?
6. Non parametric test for paired and unpaired data
7. Measures of central tendency
8. Review of literature

* * * * *

8112_9999_9_S165

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – MAY 2015

[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. What is the physiological basis for muscle soreness?

2. Discuss the role of various components of the cervical spine during loading. Explain the static loads on the cervical spine with various positions of head. Add a note on the static loads on the cervical spine during traction treatment.

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

3. Describe the relationship between muscle force development and the development and recruitment of slow and fast twitch motor units.
4. How can we use measurement of oxygen consumption to estimate exercise efficiency.
5. Describe the ergonomic approach to lifting
6. What is Faradic type current? Describe the physiological effects.
7. Describe the technique of patient transfer from bed to chair unassisted, partly assisted and full assisted.
8. Explain the effects of immobilization, injury & aging on muscle structure and function

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – MAY 2015

[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. Explain about developmental screening and its importance in rehabilitation.
2. Write about evaluation methods and scales applied for gait analysis.

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

3. Write a note on Disability & Indian Central Government compensation schemes.
4. Fitness test for an athlete.
5. Write a note on evaluation of pain by physiotherapist and its importance.
6. Diagnostic & prognostic importance of pulmonary Function Test in pulmonary rehabilitation
7. How will you differentiate between various factors affecting range of motion of Joint?
8. What is motor control? Add a note in assessment of the same.

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy – Part II Degree Examination – APRIL/MAY 2015

[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. Define PNF. Write down the principles and its application in rehabilitations.
2. Write in detail on central modulation of pain and the role of physiotherapy in pain management.

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

3. Define asana. Classify asanas, its benefits and limitations.
4. What are the general principles of exercise prescription? Briefly explain each.
5. Elaborate role of physiotherapy in reducing anxiety and depression.
6. Explain antenatal exercise and its benefits.
7. What are the acute effects of aerobic exercise on cardiopulmonary system?
8. Define mobilization. Explain mulligan concept of mobilization.

* * * * *

8116_9999_9_S271

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy part II Degree Examination – MAY 2015

[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. Explain the principles of development. Give the details of milestones of all '4' domains that are achieved by the child between 3-9 months
2. Recent advances on improving leg strength, balance and walking in people with diabetic peripheral neuropathy

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

3. Electro myography and its role in neurological diagnosis
4. Define cerebral palsy. Give the topo graphical and pathological classification. Plan physiotherapy in a mixed type of cerebral palsy brought to you at the age of 6 months
5. Motor neurone diseases and its physiotherapy management
6. Define perception and discuss in detail the assessment and its training
7. Describe circle of wills. Give the classical features and principles of physiotherapy as applied to stroke involving the major cerebral arteries
8. Types of spinal cord injury and its relevant to physiotherapy

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Part II Degree Examination – MAY 2015

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

CARDIO RESPIRATORY DISORDERS

Q.P. CODE: 8117

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 pathophysiology of dyspnea. Discuss in detail the current guidelines for the assessment and management of dyspnea
2. Recent advances on combined effects of strength training and aerobic interval training on muscle strength and body composition in patients with chronic heart failure

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

3. Clinical implications of serum cardiac enzymes
4. Thoracic biomechanics in COPD
5. Any two outcome measures in pulmonary rehabilitation
6. Explain the algorithm of Basic Life Support
7. Discuss any two drugs and their implications in cardiac rehabilitation
8. Oxygen therapy

* * * * *

8119_9999_9_S252

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy part II Degree Examination – MAY 2015

[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. Describe developmental co – ordination disorders. Write about evaluation and management of developmental co – ordination disorders.
2. Write about recent advances in locomotor training in children with incomplete spinal cord injury

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

3. Write about causes of Brachial plexus injury. Add a note on pathophysiology, physical impairments and functional limitations of brachial plexus injuries
4. Write about PT rehabilitation following Limb length discrepancy correction surgery in 12 year old girl
5. Explain about post operative PT management of Atrial Septal Defect in 8 yrs child
6. Write about spastic dipletic CP and its clinical features. Explain the PT management to improve locomotion
7. Write about the musculoskeletal impairments in Juvenile Rheumatoid Arthritis and its management
8. Write about pre participation assessment in 14 years old athlete

* * * * *

8113_9999_9_S165

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCTOBER 2015

[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. Describe the procedures used to assess tonal abnormalities and explain the factors influencing the assessment of tone.
2. What is exercise tolerance test? Explain the indications and methods of stress testing? Add a note on observation during stress test, interpretation and criteria for termination of test.

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

3. Outline the generic steps of musculoskeletal examination process.
4. What are the typical EMG and NCV findings with peripheral nerve lesions, myopathy and motor neuron disease?
5. Explain the components of muscular fitness. Describe the methods of assessing the same
6. Describe and analysis in a sagittal plane the common gait deviations at hip during the stance phase and mention the possible causes.
7. Describe the Katz Index of Activities of Daily Living
8. Describe the specific purpose for assessing pulmonary function. What are the principles of the measurement?

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCTOBER 2015

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

PHYSIOTHERAPEUTICS – I & II

Q.P. CODE: 8103

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. Distinguish between short term Goals, Long term goals and preventive goals of cardiopulmonary PT management
2. PT management following head injury and explain in detail about GCS

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

3. Combination therapy
4. Bowel and bladder training
5. Effect of aerobic and anaerobic as well as isometric and isokinetic exercise on cardiac function
6. Management of pain in musculo skeletal disorders
7. Exercise prescription for the initial stages of phase II cardiac rehabilitation
8. Energy consumption MET value of various exercises and activity

* * * * *

8108_9999_9_S050

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – October 2015

[Time: 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

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

1. Discuss the management of a child suffering from acute guillaine-barre syndrome
2. Write in detail about the role of physiotherapy in neonatal intensive care unit

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

3. Role of child psychologist in paediatrics
4. Congenital dislocation of hip – physiotherapy management
5. Coma stimulation (Sensory stimulation) programme in an unconscious child
6. Pulmonary function tests
7. Assessment of balance in children
8. Perception and cognitive skills in children

*****

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – October 2015

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

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

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

1. Identify the method of disability evaluation. List the schemes available for the disabled as per government policy. Architectural barriers to progress.
2. Write an essay on persons with 'Disability Act - 1995'

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

3. Maintenance and care of aids and appliances
4. Role of immunization
5. Primary health centers
6. Prevention of occupational pain in industry
7. Limitation of institution based rehabilitation
8. Ergonomic advise for pregnant woman

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - October 2015

[Time: 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

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

1. Enumerate the clinical features of Friedrick's Ataxia and explain in details the physiotherapy management of the same
2. What is task oriented therapeutic approach? Discuss about its role in management of stroke patients

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

3. Facial palsy
4. EMG interpretation of myopathic and neuropathic disorders
5. Orthotic devices for thoraco – lumbar spinal cord injuries
6. NDT principles and treatment techniques
7. Clinical features of multiple sclerosis
8. Primitive reflexes

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – October 2015

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

P.T. IN MUSCULOSKELETAL DISORDERS AND SPORTS P.T.

Q.P. CODE: 8105

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. A 25 year old - kabaddi player is referred to Physiotherpay dept. with herniated disc at L_5-S_1 level since 6 weeks. Discuss functional diagnosis and plan his short and long term goals of physiotherapy management which can be implemented
2. Describe various soft tissue mobilization techniques used by physiotherapist

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

3. Discuss clinical application of
    1. Isometric exercises
    2. Isotonic exercises
    3. Isokinetic exercises
4. Discuss effects of immobilization on human body
5. Describe arthrokinematics and osteokinematics in joint motion with respect to mobilization
6. Enumerate clinical tests for knee joint instability
7. Describe various hand functions of human body
8. Importance of warm up and cooling down in sports exercise programme

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – October 2015

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

P.T. IN CARDIORESPIRATORY DISORDERS AND INTENSIVE CARE

Q.P. CODE: 8104

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. Recent advances in Pulmonary rehabilitation for occupational lung diseases
2. How will you evaluate and manage a patient who is on ventilator support. Explain how to measure the prognosis using various outcome measures.

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

3. Ankle Brachial index
4. Compare Shuttle Walk Test and 6 Minute Walk Test
5. Respiratory muscle weakness and training
6. Autogenic drainage
7. List down the risk factors in cardiovascular diseases and discuss risk stratification.
8. Describe the various relaxation positions in COPD

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy – Part II Degree Examination – OCTOBER 2015

[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 various schools of thoughts in manual therapy.
2. Explain the different inhibitory and facilitatory techniques used in physiotherapy.

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

3. General guidelines to be followed in pulmonary rehabilitation
4. Theories of aging
5. Application of Combination therapy in electrotherapy practice and its significance
6. Importance of physiotherapy in psychiatric conditions
7. Role of physiotherapy in cancer rehabilitation
8. Effect of aerobic exercises on cardiac function

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – OCTOBER 2015

[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. Define International Classification of Functional Disability and health (ICF). Write down the detailed documentation procedures adapted in terms of assessment and management in rehabilitation.
2. Describe in detail various epidemiological study design.

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

3. Formats reporting in Scientific Journals.
4. Scope of physiotherapy in Hospitals.
5. Probability sampling
6. Define problem oriented medical recording & elaborate its uses in planning and intervention.
7. Significance based on parametric and non – parametric tests.
8. Importance of History taking, assessment and patient communication in planning for a physiotherapy intervention.

* * * * *

8101_9999_9_S281

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - OCTOBER 2015

[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. Kinetics and kinematics of normal Gait Cycle
2. Explain physiology of pain and Effects of physiotherapy modalities on pain gate mechanism

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

3. Progressive resisted training
4. Disability evaluation in amputee
5. Techniques of research design
6. Postural hypotension
7. Scapulohumeral rhythm
8. Non parametic test

* * * * *

Rajiv Gandhi University of Health Sciences

Master of Physiotherapy – Part II Degree Examination – OCTOBER 2015

[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. Define sensory integration. Classify sensory processing disorders and write management of various types of learning disability according to the principles of sensory integration.
2. Recent advance on strength training and aerobic training in children with cerebral palsy

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

3. Physiotherapy management for trunk imbalance in children with ataxic cerebral palsy
4. Gait management in children with infantile hemiplegia
5. Explain kangaroo mother care in premature neonates.
6. Explain analysis of fitness and exercise prescription in children with juvenile diabetes and obesity.
7. Principles of ankle foot orthosis (AFO) prescription and ideal characteristics of hinged AFO.
8. Differential diagnosis and assessment of hypotonia in infancy

* * * * *