Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - May 2009

[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. Write in detail about pain gait theory
2. Write in detail about material properties of bones and tissues

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

3. Work conditioning
4. Onset of blood lactate accumulation
5. Evoke potentials
6. Arthro kinematics
7. Testing hypothesis
8. Body composition

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination – May 2009

(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. Evaluation of peripheral vascular disease. Frame exercise protocol for varicose veins
2. Role of physiotherapy in second degree burns patient

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

3. Explain about the different pulmonary medications
4. Describe exercise planning for a obese and diabetic bank manager
5. Describe post-natal exercises with reasoning
6. Evaluation and management of ventilator patient in ICU with obstructive respiratory problem
7. Role of EMG Bio-feed back in a hemiplegic gait correction
8. Role of LASER in wound healing

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - May 2009

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

PHYSICAL AND FUNCTIONAL DIAGNOSIS – I & II

Q.P. 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 in detail about various methods of electro diagnosis

2. Describe in detail exercise testing and interpretation for cardio pulmonary disorders

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

3. Repeated movements
4. Developmental screening
5. Upper limb tension testing
6. Cryo therapy
7. ECG testing and interpretations
8. Disability evaluation in lower limb amputation

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - May 2009

[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. 25 years old (Rt) medium paced bowler, being a professional cricketer comes with sudden onset of pain in shoulder (9Rt) since 2-3 days. Discuss his differential diagnosis, with clinical reasonings also plan out physiotherapy management
2. 30 years old male is been operated for fracture shaft femur (Middle 1/3rd) with interlocking nailing. Plan his complete physiotherapy treatment till full rehabilitation

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

3. Discuss biomechanics of antalgic gait
4. Discuss different grades of maitland's mobilization techniques with respect to joint reactivity
5. Discuss various walking aids used in physiotherapy treatment
6. Clinical evaluation of lateral epicondylitis (Tennis elbow)
7. Importance of isokinetic and plyometric exercises in sports
8. Discuss principles of McKenzie (Three different syndromes)

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Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - May 2009

[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. Discuss assessment and management of patient of Guillian Barr'e syndrome
2. Describe motor learning and training techniques for the same

SHORT ESSAY

6 X 10 = 60 Marks

3. Bio feedback methods
4. Physiotherapy assessment in parkinsons' disease
5. Terminally ill motor neuron disease patient
6. Somato sensory evoked potentials
7. Neurogenic pain
8. Vestibular rehabilitation

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