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2169_2008_1_S01

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – March / April 2008

Time: Three Hours **Max. Marks: 100 Marks**

PHYSIOTHERAPY IN ORTHOPEDICS
(OS, RS & RS2)
Q.P. CODE: 2169

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

LONG ESSAYS (Answer any Four) **4 x 10 = 40 Marks**

1. Explain in detail the assessment and PT management of a patient who has undergone total knee replacement one week ago
2. Write in detail the physiotherapy management of a patient who fell from a height and was diagnosed with fracture dislocation of T_{12} L_1
3. Write in detail the Assessment and Physiotherapy management of a computer operator who was diagnosed with lumbar spondylitis; also write briefly on ergonomic advice
4. What is ankylosing spondylitis? Write in detail the physiotherapy management of a 16-year-old girl diagnosed with Ankylosing spondylitis?
5. Enumerate the complications of amputation and physiotherapy management following below Knee Amputation

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

6. What are the signs of Tendo Achilles tear? What will be your treatment approach after renewal of the pop cast?
7. What is pes cavus? Write in brief the PT Management for the same
8. What are the signs and symptoms of fractures? Explain
9. Locking and unlocking mechanism of the Knee joint
10. Explain stump bandaging and its importance
11. Explain wrist drop and its management
12. What are the common deformities seen in the lower limbs in a polio patient? Explain briefly
13. What are the principles of McKenzie's mobilization? Explain
14. Write down the exercise prescription for a patient wearing a Milwaukee's brace for correction of scoliosis?

SHORT ANSWERS **10 x 2 = 20 Marks**

15. Upper limb tissue tension test for Median nerve
16. What is a Hip-Knee-ankle-foot orthosis?
17. Define Myositis ossificans
18. What is Hallux Valgus?
19. Explain Codman's enerises
20. What is step sign in spondylolysthesis?
21. What is kyphosis?
22. Explain the test to diagnose clinically De'quervains tenosynovitis
23. What is Cobb's Angle?
24. Give 4 contraindications for manipulation therapy

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2170_2008_1_S

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – March / April 2008

Time: Three Hours **Max. Marks: 100 Mark**

PHYSIOTHERAPY IN GENERAL MEDICINE including CARDIO THROCIC MEDICINE - (OS, RS & RS2)

Q.P. CODE: 2170

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

LONG ESSAYS (Answer any Four) **4 x 10 = 40 Marks**

1. List the physiotherapy assessment plan of peripheral vascular diseases? How will you manage a patient who has developed venous ulcer on the left role of foot?
2. What is lung abscess? How will physiotherapy help in early rehabilitation of the patient?
3. Define Inflammation? Give the types of Inflammation and P.T management for the same
4. A patient 50 year old had suffered an attack of M.I. He has been suggested for conservative management: plan a cardiac rehabilitation programme for him
5. A patient of right upper lobe pneumothorax has intercostal drainage tube. He developed atelectasis of left lung. Describe the physiotherapy management for the same

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

6. What is intermittent claudication? What is the significance of claudication distance in therapy?
7. Explain uses of breathing exercise.
8. What are the techniques of strengthening respiratory muscles?
9. What is Alopecias? Write P.T Management for the same.
10. Write in brief about the prevention of deformities of hand in Rheumatoid arthritis.
11. Bicycle ergometer – give its significance in cardiac rehabilitation programs.
12. How can you prevent the complications of DVT?
13. Write a note on humidification.
14. Explain chest manipulation techniques to mobilize secretions in lung.
15. Explain simple tests to identify arterial diseases.

SHORT ANSWERS **10 x 2 = 20 Marks**

16. Give two clinical features of Vitamin – C deficiency.
17. What is the difference between coughing and fluffing?
18. Describe the P.D. position for right upper lobe?
19. Explain pump – handle movement.
20. What is swan neck deformity?
21. What is CPAP?
22. What is Jacobson's technique of relaxation?
23. What is Cyanosis? What are the central causes for cyanosis?
24. Write any two exercises for OA Knee.
25. What are rales and ronchi?

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2171_2008_2_S102

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Sept / Oct 2008

Time: Three Hours **Max. Marks: 100 Marks**

PHYSIOTHERAPY IN NEUROLOGY & NEUROSURGERY
(OS, RS & RS2)

Q.P. CODE: 2171

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

LONG ESSAYS (Answer any Four) **4 x 10 = 40 Marks**

1. A 60 year old lady has been suffering from a Right PCA infarct involving the thalamus and the posterior horn of internal capsules since 20 days. Outline her clinical picture and physiotherapy management
2. A 40 year old male has been diagnosed as a complete brachial plexus injury. Outline the long term goals and discuss the management in detail
3. Discuss the assessment and outline the management of a 8 year old girl with spina bifida at $L_{4,5}$
4. A 8 year old suffers from C5, C6 dislocation after a fall from a height. Outline the clinical picture and discuss the management for the same
5. Discuss the management of a 15 year old boy diagnosed with Acute Transverse Myelitis of the L1

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

6. Explain the assessment of brachial plexus injury
7. Explain the principles of bobath technique in treating stroke
8. Outline the post surgical assessment of a patient who has undergone craniotomy
9. Explain the assessment of Duchenne's Muscular Dystropbhy
10. Enumerate the different types of describe the principles of rood's approach
11. Define spasticity. Describe any one method of measuring spasticity
12. Outline the management of Ulnar claw hand
13. List primitive reflexes and explain any two
14. Explain Upper Motor Neuron Lesion and Lower Motor Neuron Lesion. Give atleast two differences between them
15. Neurogenic bladder. Outline the management of automatic bladder

SHORT ANSWERS **10 x 2 = 20 Marks**

16. List the brain stem reflexes
17. Enumerate any two signs of acute meningitis
18. Explain automatic bladder
19. Explain Chronic Reaction of Degeneration (CRD)
20. Define ideomotor apraxia
21. Explain bell's phenomena
22. Explain ATNR
23. What is kernig's sign
24. Define rigidity and spasiticty
25. Define tone

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2171_2008_1_S02

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – March / April 2008

Time: Three Hours **Max. Marks: 100 Marks**

PHYSIOTHERAPY IN NEUROLOGY & NEUROSURGERY
(OS, RS & RS2)

Q.P. CODE: 2171

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

LONG ESSAYS (Answer any Four) **4 x 10 = 40 Marks**

1. What are the various types of neuropathy? How will you manage a case of post infective polyneuropathy?
2. Write the assessment & management in Parkinson's disease
3. Describe the special tests for cerebellar lesion. How will you manage a case of cerebellar ataxia?
4. What is the difference between facial palsy & Bells palsy? How will you assess & manage a case of bell's palsy
5. What is Myopathy? Give its type & management of any one

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

6. Management of spasticity
7. Write a note on Glasgow coma scale
8. How will you manage a case of spina bifida?
9. Assessment of t_6 spinal cord injury
10. How will you assess a case of tabes dorsalis?
11. Various splints used in PNI
12. Importance of SD curve & NCV
13. Write a short note on reflex & sympathetic dystrophy
14. Write a note on sensory integration
15. What is reflex inhibiting posture?

SHORT ANSWERS **10 x 2 = 20 Marks**

16. Functions of pyramidal tract
17. What is motor aphasia?
18. What is tinnels sing?
19. Care of Diabetic foot
20. Importance of Gower's sign
21. Difference between bulbar & Pseudobulabar palsy
22. Muscle biopsy – its importance
23. What are trick movements?
24. Use of NCV
25. Splints used in PNI – its principles

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2172_2008_1

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – March / April 2008

Time: Three Hours **Max. Marks: 100 Ma**

PHYSIOTHERAPY IN GENERAL SURGERY including CARDIOTHORACIC CONDITIONS - (OS, RS & RS2)

Q.P. CODE: 2172

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

LONG ESSAYS (Answer any Four) **4 x 10 = 40 Ma**

1. Explain the principles of tendon transfer. Describe the P.T. management following tend transfer for total claw hand
2. Design a pre-natal training programme for a 32 year old primi gravid woman
3. Discuss the assessment and role of P.T. management for patient suffering from Burg diseases
4. Explain the different incisions used for cardiac surgeries and explain in the post-operative p management following ~~atrial~~ aortic valve replacement
5. List any four modes seen on ventilator. Explain physiotherapy management for a patient ventilator in an ICU setting

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Ma**

6. Write detail about physiotherapy management in rhinorrhoea
7. Ergonomic aspects of infant care
8. Physiotherapy management for appendicectomy
9. List of common compression neuropathies seen during pregnancy and discuss physiother management
10. Discuss brief about the weaning from ventilator
11. Discuss the degree of burns and explain the physiotherapy management in Burns around axi
12. Explain the importance of exercise tolerance tests
13. Explain the investigation in P.V.D. Write about physiotherapy management for venous ulcer
14. Write short notes on humidification
15. Explain about the factors influencing wound healing

SHORT ANSWERS **10 x 2 = 20 Ma**

16. Types of hysterectomy
17. Decortication
18. Define aneurysm
19. What is deep vein thrombosis?
20. Brodie – trendelenburg test
21. Mention two indications for skin grafting
22. Stages of labour
23. Difference between sinus and fistula
24. Define gallop
25. Brief out acid-base balance

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2173_2008_1_S12

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – March / April 2008

Time: Three Hours **Max. Marks: 80 Marks**

COMMUNITY BASED REHABILITATION
(OS, RS & RS2)

Q.P. CODE: 2173

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

LONG ESSAYS (Answer any Two) **2 x 10 = 20 Marks**

1. List out various developmental disorders. Describe about the early detection of development disorder and its importance
2. Explain the role of physiotherapist as a team member in the rehabilitation of stroke patient
3. What are the various central and state government schemes and benefits for disabled per in India?

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Discuss about communicative skills for an effective CBR
5. Vocational counseling for paraplegic patient
6. Need for integrated special school
7. Screening methods for mentally retarded children in rural area
8. Role of family on a disabled person
9. Describe pre-vocational evaluation
10. Write about National Developmental Programmes
11. Explain preventive measures of falls in elderly patients
12. Describe the role of voluntary organizations in CBR
13. Home exercise programme for muscular dystrophy patient in ambulatory stage

SHORT ANSWERS **10 x 2 = 20 Marks**

14. Home exercise programme for asthmatic patients
15. Prevention of ulcers in an anaesthetic hand
16. Role of mobile units
17. List the various levels of prevention
18. Define impairment
19. Role of speech pathologist in CBR
20. What is epidemiology?
21. Disadvantages of CBR
22. Advantages of recreational therapy in CBR
23. What is the importance of team approach?

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2174_2008_I

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – March / April 2008

Time: Three Hours **Max. Marks: 80 Ma**

ALLIED THERAPEUTICS
(OS, RS & RS2)

Q.P. CODE: 2174

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

LONG ESSAYS (Answer any Two) **2 x 10 = 20 Ma**

1. Define "motor skill related physical fitness". Mention their importance for an athlete
2. Define Yoga. Classify Asana with examples
3. Explain the importance of balanced diet for a healthy life style

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Ma**

4. Stress the importance of a carbohydrate diet before an athletic meet
5. Explain anthropometric method of assessing body composition
6. Write about electro Acupuncture
7. Explain relomation techniques in stress management
8. Explain about Yin & Yoga
9. Explain blood doping
10. Mention about open and closed chain enereires and its importance
11. What is Sun therapy? Explain
12. Explain briefly importance of pre-participation evaluation
13. Assessment of co-ordination and exercises for the same

SHORT ANSWERS **10 x 2 = 20 Ma**

14. Define obesity
15. Give 2 uses of magnets
16. Special test for Anterior cruciate Ligament Injury
17. Define stress and strain
18. What is Qi (chi)?
19. What is VO_2 max`?
20. Role of water in diet
21. 2 uses of "cool down"
22. Define Basal Metabolic Rate
23. Define Massage

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