(1)

2169_2009_1_S43

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – Feb - 2010

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 healing of fracture and write in detail about complications and management of fracture
2. Explain physiotherapy management of above elbow amputation and its prosthetic management
3. Explain assessment and management of Congenital dislocation of hip
4. How do you manage an ankylosing spondlylytic patient who has undergone total hip replacement of his right side?
5. Assessment and management of ***ACL*** (Anterior Cruciate ligament) injuries

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

6. Describe $ULTT_3$
7. Indications and management of arthrodesis of shoulder
8. P.T Management of pes planus
9. What is 'Q' angle? What is its significance in physiotherapy?
10. Vertebral artery insufficiency test
11. Principles of Maitlands mobilization technique
12. Write the principles of orthosis and explain ***AFO*** (Ankle Foot Orthosis)
13. Physiotherapy Management of recurrent dislocation of patella
14. Physiotherapy Management of rheumatoid hand



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

15. Empty can test
16. Codmans exercise
17. Spondylolysis
18. Finkelstein's test
19. Scoliosis – any 4 causes
20. Trendelenburg's sign
21. Typical vertebrae
22. Thompson's test
23. Homens sign
24. Avascular necrosis – name the bones commonly affected



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(2)

2170_2009_1_S125

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Feb - 2010

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

PHYSIOTHERAPY IN GENERAL MEDICINE including CARDIO THORACIC 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. Plan out your cardiac rehabilitation programme for a 35 year old teacher with myocardial infarction of 1 month duration
2. Describe the physiotherapy assessment of chronic bronchitis and management for the same
3. Explain postural drainage positions of the left lung
4. What is lung abscess? How physiotherapy helps in early rehabilitation of patient?
5. Define oedema. List the types of oedema and physiotherapy management for a case of lower limb oedema

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

6. Role of physiotherapy in psychiatric disorder
7. ECG
8. Indications for frequent changing of body position
9. Physiotherapy management for leucoderma
10. Physiotherapy management for fibrositis
11. Cough evaluation
12. Physiotherapy management for acute asthma
13. Explain the methods of aerobic exercise training
14. Explain two methods of humidification
15. Explain psychological features of cardiac illness

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

16. Ataxic breathing
17. Expiratory reserve volume
18. Diffusion
19. S_3 Sound
20. Role of calcium in bone development
21. IPPB
22. Phebothrombosis
23. Pneumothorax
24. Respiratory alkalosis
25. Tetrology of fallot

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(3)

2171_2009_1_S123

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination - Feb - 2010

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. Explain assessment and management of multiple sclerosis
2. Define myopathy, classify and management of any one type
3. Explain normal mile stones and discuss the management of mile Stone delayed child
4. List all electro diagnostic procedures, and explain any two in Detail
5. Enumerate different causes of paraplegia? And discuss the physiotherapy management in paraplegia

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

6. Write a note on receptors
7. Define C.S.F. and explain the functions
8. List all cranial nerves and explain testing of any two nerves
9. Trigeminal neuralgia and management
10. Discuss the various movement disorders
11. Spina bifida
12. Decubitis ulcer
13. Differentiate between rigidity and flaccidity
14. Circle of Willis
15. Explain principles of P.N.F

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

16. Conductive education
17. Define ideational apraxia
18. List all splints used in peripheral nerve injury
19. List all the ascending tracts
20. Vitamin B 12 neuropathy
21. Vestibular neuronitis
22. Unilateral neglect
23. Types of stroke
24. Brocas aphasia
25. Menieres disease

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2172_2009 1 S103

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Feb - 2010

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

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 Marks**

1. List the various principles of tendon transfer and elaborate on physiotherapy management for a patient who has underwent tendon transfer for intrinsic plus deformity
2. With the help of body chart draw the common incisions over the abdomen and label each chart out physiotherapy management for a patient who underwent herniorraphy
3. Explain in detail the rehabilitation programme for a patient who underwent right middle and lower lobe lobectomy 2 days back
4. Define thrombo angitis obliterans (TAO) plan out a physiotherapy protocol for a patient with arterial disease
5. Elaborate on postnatal training for a 30 years old primi woman who underwent caesarean section a day ago

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

6. List out the common post operative complications. Explain any two with its physiotherapy management
7. With the help of a diagram, mark the various incisions over the abdominal wall
8. Explain the different modes used on a ventilator
9. Define stress incontinence. Brief upon the physiotherapy management for the same
10. Write a brief note on pulmonary function testing (PFT)
11. List the types of hernia. Explain any one in detail with its physiotherapy management, post repair
12. List out various arterial grafts. Explain in brief the physiotherapy management for post arterial grafts
13. Write in brief about forced expiratory techniques (FET's)
14. Explain the technique of Burger's exercises and its uses
15. Define ulcer write in brief, physiotherapy management of a decubitus ulcer

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

16. Define radical mastectomy
17. Grafts used in CABG
18. Clinical features of varicose vein
19. What is decortication?
20. Identify the muscles used for tendon transfer following ulnar claw hard
21. Significance of ventilation – perfusion ratio (V/Q)
22. List out any four pelvic floor muscles
23. What is atrial spetal defect (ASD)?
24. Any four effects of general anesthesia on cardio-respiratory systems
25. Significance of McBurney's point

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(5)

2173 2009 1 S125

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Feb - 2010

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. Define CBR. Enumerate the advantages & disadvantages of CBR
2. Describe three-tier health delivery system with reference to rehabilitation
3. Discuss institution based rehabilitation versus community-based rehabilitation

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

4. How would you screen a village to identify locomotor disabled?
5. Extension services
6. Describe National level Rehabilitation Programme
7. Architectural barriers in public places
8. Primary health centers
9. Early identification and intervention of disabilities in children
10. Environmental modifications for a wheelchair bound paraplegic
11. Role of family of disabled patient in CBR
12. What is pre-vocational evaluation & give its importance
13. Foot care in diabetics in the community

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

14. Define impairment
15. Define Epidemiology
16. What are mobile units?
17. Give any 2 functions of multipurpose workers
18. Define handicap
19. Explain importance of screening
20. Day care centers
21. What is post polio syndrome?
22. Measures to prevent primary disability in leprosy?
23. Name the CBR team members

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2174_2009_1_S124

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Feb - 2010

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

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 Marks**

1. Write in detail about the immediate and long term effects of exercise on various systems of the body
2. Define obesity, mention co-morbidities and fat cellularity. Explain the various bariatric surgeries performed and the prudent method to lost weight
3. Explain the physiological effects of yoga and the various asanas with its benefits

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

4. Active and passive forms of recovery after a strenuous about of exercise
5. Dangers of strength training in child athlete
6. Pre game meal
7. Uses of biofeedback technique in the stress management of an athlete-discuss
8. Different techniques used in acupuncture medicine
9. Explain the circuit and interval methods of training and its effects
10. Describe high and low glycemic index foods with examples and its relation to insulin resistance
11. Explain the role of saturated fatty acids and its association to the development of coronary artery disease
12. Describe the terms hypertrophy and hyperplasia. Benefits of weight training in body builders
13. Explain the mechanism of lateral ankle injury and its management with emphasis on proprioceptive training

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

14. Stages of soft tissue healing – mention only
15. Vertical jump test
16. Define Glyconeogenesis
17. Benefits of stream bath
18. Two uses of cholesterol
19. Megavitamin therapy
20. Ying and yang
21. Shuttle test for agility
22. Plasma expanders – any two uses
23. Define flexibility

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