Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – Aug 2013

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 signs, symptoms & complications of fracture
2. Write in detail assessment of pre & post prosthesis fitting
3. Write in detail physiotherapy management for fracture neck of femur
4. Write in detail about scoliosis and its post surgical rehabilitation
5. Write in detail about maitland mobilization

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

6. Explain osteotomy
7. Explain TB spine
8. Explain fracture scapula
9. Explain fracture meta tarsal
10. Explain spondylolisthesis
11. Explain CTEV
12. Explain kyphosis
13. Explain ankylosing spondylitis
14. Explain tendon graft
15. Explain the levels of amputation

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

16. Four causes for VIC
17. Principles of mckenzie technique
18. Two special tests for rotattor cuff injury
19. Special test for ACL injury
20. Types of lower limb orthotics
21. Symptoms for soft tissue injury
22. Four causes for hand injury
23. Foot orthotics
24. Symptoms, causes for perthes disease
25. *Physiotherapy modality for Peri arthritic shoulder*

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug 2013

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

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. Define endocarditis. Write the clinical features and physiotherapy management in detail for it
2. Write the etiology, clinical features and physiotherapy management for Type II respiratory failure
3. Types and stages of inflammation. Write the physiotherapy management in detail for inflammation
4. Define pulmonary rehabilitation. Explain the role of physical therapist in pulmonary rehabilitation for a COPD patient
5. Define bronchiectasis. Write the physiotherapy management in detail for the same

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

6. Coughing and huffing
7. Diaphragmatic breathing exercise
8. Intermittent positive pressure breathing
9. Pulmonary function test
10. Exercise testing protocols
11. Definition and causes of clubbing. Add a note on its types and grades
12. Auscultation
13. Physiotherapy management in psoriasis
14. Physiotherapy management in varicose vein
15. Differentiate cyanotic and acyanotic heart disorders

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

16. Cheyne – Stokes breathing
17. Typical angina pectoris
18. Miliary TB
19. Silhoute's sign
20. Intermittent claudication
21. Grades of dyspnoea
22. Purkinje fibres
23. Four precautions for breathing exercises
24. Paradoxical breathing
25. Four indications to terminate exercise testing

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug 2013

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. Classify perceptual disorders. Explain ideomotor and ideational Apraxia
2. Discuss the post paralytic rehabilitation of poliomyelitis
3. Classify Motor Neuron Diseases. Discuss the assessment and management of Primary lateral sclerosis
4. A 25 year old male has been admitted to ICU post craniotomy following RTA. Discuss the Physiotherapy management in the ICU
5. A 35 year old lady has been diagnosed as a secondary progressive multiple sclerosis. Outline the long term goals and discuss the physiotherapy management during a acute exacerbation

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

6. Describe the principles of rood's approach
7. Define spasticity. Describe any one method of measuring spasticity
8. Outline the management of ulnar claw hand
9. List primitive reflexes and explain any two
10. Neurogenic bladder. Outline the management of automatic bladder
11. Define Upper Motor Neuron Lesion and Lower Motor Neuron Lesion. Give atleast three difference between them
12. Define spasticity and rigidity. Give atleast three difference between them
13. Explain the clinical features of SMA
14. Explain the clinical features of Down's syndrome
15. Explain the principles of Propioceptive neuromuscular facilitation

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

16. What is kerning's sign?
17. Define rigidity and spasiticty
18. Explain Slump Test
19. Write the significance of direct and indirect papillary light reflex
20. Explain bell's phenomena
21. Write any two investigations for confirmation of Duchenne's Muscular Dystrophy
22. Describe athetosis
23. Explain the significance of a positive Rhomberg's test
24. Explain Ulnar Paradox
25. Explain any two uses of frenkles exercises

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug 2013

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. Physiotherapy management for a patient in intensive care unit on ventilator on SIMV mode
2. Plan out a cardiac rehabilitation protocol for a 55 year old man who has undergone coronary artery bypass graft surgery
3. Explain physiotherapy management of a 40 year old lady who has burns over the right shoulder and anterior chest
4. Draw a diagram showing various incisions for abdominal surgeries and write the physiotherapy management for a patient who has undergone laparotomy
5. Explain the post-operative complications after radical mastectomy and physiotherapy management for the same

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

6. Explain the techniques of incentive spirometry
7. Write a note on nebulization
8. Ante – natal exercises
9. Describe postural drainage position of segments of right upper and middle lobe of lung
10. Physiotherapy management of scar tissue
11. Write a note on palliative treatment in cancer
12. Explain different types of skin grafts used in burns
13. Explain the various tendon transfers done in the hand affected with leprosy
14. Write physiotherapy management of lymphoedema
15. *Explain the role of Physiotherapy after pneumonectomy*

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

16. Types of uterus prolapse
17. CPAP mode on ventilator
18. 4 uses of breathing exercise
19. What is thoracoplasty
20. Brochopulmonary fistula
21. Define stress incontinence
22. Grades of dysnoea
23. Rule of 9 in burns
24. Name the grafts used in coronary artery bypass graft surgery
25. Homan's sign

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug 2013

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. How do you conduct pre –vocational evaluation for a person with disability? Describe the modes of employment available for a paraplegic seeking employment
2. Identify methods used in cresting community awareness for disability. How can a physiotherapist contribute to this program?
3. Objectives of vocational evaluation & rehabilitation.

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

4. Architectural barriers in public places
5. Importance of parental counseling
6. Cross sectional population surveys
7. List down the district level rehab programs
8. What are the various types of screening for mental retardation?
9. Role of family & medical professionals in the implementation of CBR
10. Role of physiotherapy in Duchene Muscular Dystrophy (DMD)
11. Explain the various types of urinary incontinence
12. Explain the factors supporting CBR program
13. List out clinical features of down syndrome. How can you rehabilitate down syndrome in community set up?

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

14. Uses of longitudinal Study
15. Mention community entry strategies
16. Define occupational health
17. Define genetic counseling?
18. PWD act 1995
19. Functions of regional centre
20. Heterogenic Drug reactions
21. Ergonomic measures for computer professional
22. Services of Indian Red cross?
23. Mention the components of lower limb evaluation

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug 2013

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. What is Eustress? Write in detail the various stress management strategies employed by the athletes
2. Write in detail about the immediate and long term effects of exercise on various systems of the body
3. Write in detail the pharmacological remedies in sports. Mention its advantages and disadvantages

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

4. Explain the importance of warm – up and cool – down phases in exercise training
5. Define delayed Onset Muscle Soreness (DOMS). Outline the physiology of DOMS and list the methods of preventing it
6. Training in high altitude
7. How will you manage a footballer who has sustained a quadriceps contusion injury
8. Explain the mechanism of lateral ankle injury and its management with emphasis on proprioceptive training
9. Explain the methods of progressive resisted exercise
10. Explain briefly importance of pre – participation evaluation
11. Explain the various intrinsic and extrinsic factors causing sports injuries
12. Write about causes of fatigue. Management of fatigue from physiotherapists perspective
13. Therapeutic effects of acupuncture

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

14. Define oxygen debt and deficit
15. What is Qi (chi)
16. Define Basal Metabolic Rate
17. Define plyometrics
18. Mention submaximal tests
19. Vajrasana
20. Mention the three energy systems in our body and the duration for which they provide energy during exercise
21. Basic food pyramid – only diagram with label
22. Use of topical ointments in sports
23. Define periodization

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - Aug 2013

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

NEURO PHYSIOTHERAPY
(RS–3 & RS-4)

Q.P. CODE: 2720

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

Essays type (Answer any Two out of three) **2 x 10 = 20 Marks**

1. Write in detail about physiotherapy management for amyotrophic lateral sclerosis
2. Write a essay on physiotherapy management for sciatic nerve palsy
3. Write physiotherapy management for spinal cord trauma at T-12 level.

SHORT ESSAYS type (Answer any Twelve out of fourteen) **12 x 5 = 60 Marks**

4. Explain neuro developmental screening test.
5. Clinical features of Eaton – lambert syndrome.
6. Physiotherapy management of spinal disc herniation.
7. Assessment on higher functions.
8. Clinical features of thoracic outlet syndrome.
9. Importance and significance of slump test.
10. Physiotherapy Management for hemiplegic shoulder subluxation.
11. Kinetics of gait analysis
12. Write about intercostals nerve lesion and physiotherapy management for the same.
13. Explain about rancho-los amigos scale for head injured patient.
14. Clinical features of Duchene muscular dystrophy
15. Conservative management for acute foot drop
16. Treatment principles and application for constraint induced movement therapy.
17. Explain different types of sensory examination.

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

18. *Kernig's sign*
19. Principles in motor relearning programme
20. Complications of hydrocephalus
21. Write four Clinical features of lumbosacral plexus lesion
22. Explain the types of spina bifida
23. Define vojta therapy
24. Explain ulnar paradox
25. Explain pendular reflex
26. Dystonia
27. Cerebro spinal fluid examination in meningitis

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – Aug 2013

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

COMMUNITY MEDICINE

(RS-3 & RS-4)

Q.P. CODE: 2721

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

ESSAYS TYPE (Answer any two out of three) **2 x 10 = 20 Marks**

1. Define family planning. Describe the various contraceptive methods.
2. Define Epidemiology. What is the use of doing epidemiological studies?
3. Define Infant mortality rate. Mention the various factors responsible for IMR. What measures have been taken to prevent IMR.

SHORT ESSAYS TYPE (Answer any Eight out of Ten) **8 x 5 = 40 Marks**

4. Prevention of Hypertension
5. Prevention of HIV/AIDS
6. Water borne diseases
7. ICDS
8. Field level classification of leprosy. Mention the drugs used in the management of leprosy.
9. Sickness absenteeism.
10. Rehabilitation
11. Nutritional problems in public health
12. Approaches to health education
13. Define Biomedical waste. Mention the various treatment and disposal technologies for health care waste

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

14. Risk factors for coronary heart disease.
15. Control of Typhoid fever
16. BCG vaccine
17. *Define Incidence and prevalence*
18. Epidemiological triad
19. Mention the various methods of mosquito control measures
20. Mention the various components under RCH programme.
21. Objectives of post natal care
22. Composition of ORS
23. Classification of foods.

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination - Aug 2013

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

COMMUNITY BASED REHABILITATION (RS–3 & RS-4)

Q.P. CODE: 2722

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. Explain in detail about Role of Voluntary organization in CBR.
2. Write about Disability evaluation and uses of evaluation finding.
3. Describe ergonomics write Occupational hazard secondary to Chemical agents & your role in prevention of hazard.

SHORT ESSAYS (Answer any Twelve) **12 x 5 = 60 Marks**

4. Write ergonomic advise to a patient who is having low back pain.
5. Write the changes in Neuromotor system in Geriatrics.
6. Vocational training – need & evaluation.
7. Rehabilitation of spastic diplegic cerebral palsy child.
8. Role of Physiotherapy in Dementia.
9. Legal aspects of rehabilitation.
10. Maternal nutrition and education.
11. Architectural barriers for disabled.
12. Differentiate between impairment and handicap with example.
13. Importance of community participation and awareness in rehabilitation.
14. Write about community initiated versus community oriented programme.
15. Explain low cost assistive aids.
16. Explain mechanical hazards-over use & fatigue.
17. Explain about District Rehabilitation center.

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

18. Define Disability.
19. Define Geriatrics.
20. Name polio viruses.
21. Gower's sign.
22. Types of Tremor.
23. Define Ethics.
24. Functions of WHO.
25. Define Rehabilitation.
26. Camp approach.
27. Define policy.

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - Aug 2013

Time: 3 Hours **Max. Marks: 40 Marks**

Neurology

Q.P. Code : 2723

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

(Note : Both QP Codes 2723 and 2724 are to be answered within total duration of 3 hours)

1 x 10 = 10 Marks

LONG ESSAYS (Answer any One)

1. Discuss in detail about classification, clinical feature & management of head injury
2. Discuss in detailed about clinical features investigation, differential diagnosis & management of parkinsonism

SHORT ESSAYS (Answer any Four) **4 x 5 = 20 Marks**

3. Write a note on facial palsy
4. Write a note on epilepsy
5. Evoked potential
6. Write a note on chorea
7. Friedreich ataxia

SHORT ANSWERS **5 x 2 = 10 Marks**

8. Dysphagia
9. Metabolic ataxia
10. Wilson's disease
11. Complications of rheumatic fever on nervous system
12. Myoclonus

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - Aug 2013

Time: 3 Hours **Max. Marks: 40 Marks**

Neurosurgery

Q.P. Code : 2724

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

(Note : Both QP Codes 2723 and 2724 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) **1 x 10 = 10 Marks**

1. IVDP, causes, clinical features, investigation & management
2. Define reflex sympathetic dystrophy – clinical features, investigation, management

SHORT ESSAYS (Answer any Four) **4 x 5 = 20 Marks**

3. Transverse myelitis
4. Spinabifida – classification & management
5. Klippel – feil syndrome – clinical features, investigations, management
6. *Syringomyelia*
7. Laminectomy – procedure & indication

SHORT ANSWERS **5 x 2 = 10 Marks**

8. Burr hole surgery
9. Rhizotomy
10. Myotonic dystrophy
11. *Myasthenia gravis*
12. Wilson disease

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination – Aug 2013

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

ELECTROTHERAPY

(RS-3 & RS-4)

Q.P. CODE: 2712

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. Describe production of Ultra sound and explain the various methods of application of this therapy. Add a note on coupling medium used.
2. Explain the production of Interferential currents; give the therapeutics and physiological effects of the same.
3. List the various tests used for electro diagnosis. Explain any 3 in detail.

SHORT ESSAYS (Answer any Twelve) **12 x 5 = 60 Marks**

4. Explain about condensers used in electro therapy units.
5. What is shock? Give the precautions to be taken to avoid the same.
6. Give the types of modified Direct currents used in physiotherapy. Describe any one in detail.
7. Write in detail on cathodal galvanism.
8. List the therapeutic effects of SWD.
9. What is Iontophoresis? Give the importance of its use in physiotherapy.
10. Explain the benefits of using micro currents.
11. Give indications and contra indications of IRR.
12. Explain the physiological effects of TENS and give a note on the indications for its use.
13. Describe the indications for use of bio feedback.
14. Give the principles of production of LASER.
15. Explain the type of applicators used in a LASER unit and its uses.
16. Outline the benefits of hot pack unit.
17. Describe the types of methods used for cryotherapy.

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

18. Use of a voltmeter in electrotherapy unit.
19. What are electrical burns?
20. Give 2 uses of diadynamic current.
21. Give 2 features of a sinusoidal current.
22. What is anodal galvanism?
23. Give 2 uses of MWD.
24. Define the term EMG.
25. Give 2 uses of a wax therapy.
26. Define Pain gate theory.
27. What is phonophoresis?

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – Mar 2013

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

COMMUNITY MEDICINE

(RS – 3 & RS - 4)

Q.P. CODE: 2168

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 the term screening for disease. Mention the uses and types of screening
2. Explain the four basic steps in conducting a case control study
3. Describe the various Health problems of the aged. Suggest the remedial measures

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

4. Effects of Air pollution
5. Stages in the Demographic Cycle
6. Job description of Health Worker Female
7. Primary prevention for Cancer
8. Stroke
9. Hospital Acquired Infections
10. Postnatal care
11. Health Hazards of Hospital waste
12. Triage in disaster management
13. Accident prevention

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

14. Causes of blindness
15. GOBI in UNICEF
16. Ergonomics
17. Iceberg phenomenon of disease
18. Rule of halves
19. Window period
20. Composition of ORS
21. DOTS
22. Road to Health chart
23. Odd's ratio



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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – Mar 2013

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. A 40 year old male was diagnosed to have a dislocation of the right shoulder for which he was treated conservatively 1 week ago. Identify the problems of this individual & explain in detail the physiotherapy management for the same
2. Explain the pre prosthetic management of an above knee amputee. Describe in detail the prosthesis of a above knee amputee & the physiotherapy management following the same
3. Explain the post – operative management of a patient who underwent a total hip replacement days ago. Add a note on the precautions to be taken by this individual
4. A 60 year old female was diagnosed with osteoarthritis of her right knee. Explain in detail the assessment & physiotherapy management of the same
5. Explain in detail assessment & physiotherapy management of a 45 year old house wife diagnosed with Rheumatoid arthritis 10 years ago

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

6. Explain the physiotherapy management of pes planus with a note on its taping procedure
7. Discuss the methods of mobilization of a patient with periarthritis shoulder
8. Write a note on clinical features & PT management of carpal tunnel syndrome
9. Write in brief the MCKenzie exercises programme for patient with derangement syndrome
10. Describe the two tests for Thoracic outlet syndrome
11. Management of a patient with patellar tendonitis
12. Physiotherapy management following grade I deltoid ligament sprain 2 days ago
13. Postoperative physiotherapy management of patellar fracture
14. Describe ULTT1

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

15. Signs of vertebral artery insufficiency
16. Speed's test
17. Mention 4 causes for recurrent dislocation of patella
18. Tinel's sign
19. Enumerate 2 uses of a ankle foot orthosis
20. Ortolani's test
21. List the types of prothesis used in hip replacement
22. Define arthrodesis
23. What is "Scottish dog" sign
24. List the dynamic stabilizers of the scapula

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Mar 2013

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. Define pulmonary rehabilitation. Enumerate the indications & goacs. Describe the components of pulmonary rehabilitation
2. Describe the postural drainage positions
3. Describe in detail the different methods of sub – maximal exercise testing
4. Discuss in detail the physiotherapy management for a 30 year old male diagnosed to have ankylosing spondylitis since 5 year affecting his spine and hips
5. Prepare an assessment proforma for the evaluation of respiratory system

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

6. Classify breathing exercises. Write a note on the breathing exercises used four obstructive lung diseases
7. Outline in brief the physiotherapy management for osteroarthritis of knee
8. List the types and uses of Nebulizers. Explain in brief the principles on which nebulizers work
9. Explain in brief the physiotherapy management for acne vulgaris
10. List the techniques of PNF to improve respiration. Explain any two in detail
11. Write a note on the techniques of suctioning
12. Explain in brief the physiotherapy management for pleural effusion
13. Write a short note on active cycle of breathing techniques
14. Outline in brief the physiotherapy measures for a patient with an acute apisode of bronchial asthma
15. List the indications of chest wall percussions and explain the techniques in brief

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

16. Define type-I respiratory failure
17. What is broncho-pleural fistula
18. List any 4 methods to prevent varicose veins
19. List the types of alopecia
20. Define essential hypertension
21. What is vocal femitus
22. Functional residual capacity – define
23. Name 2 clinical tests to confirm deep vein thrombosis
24. Distinguish between cough and huff
25. State frank starlings law



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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Mar 2013

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. Mention the indications for coronary artery bypass surgery. Explain the post –operative P.T management for the same
2. Explain the 'Rule of Nine' with diagram write a P.T. Management for a patient with Head & neck burns
3. Explain about the modes of ventilators. Add a note on PEEP
4. Explain the principles of Tendon Transfer. Explain the P.T. management following tendon transfer for foot drop
5. Explain in detail the P.T. Management following Radical mastectomy. Discuss the complication following Radical mastectomy

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

6. Explain bruce protocol
7. Explain the various types of Humidifires
8. Explain Burger's exercise. Add a note on its significance
9. Explain the method of suctioning. Add a note an complication during suctioning
10. Mention difference between the adult & pediatric respiratory system
11. Explain the various physiological changes occurring to the cardiovascular system during pregnancy
12. Classify skin grafts & give its management
13. Explain in detail the role of physiotherapy in preventing & healing bed sore
14. Write in detail about management of pain in cancer patient
15. Mention the various incisions in abdomen surgery. State about complication following it.

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

16. Define cardiac Rehabilitation
17. Assessment of Diastasis Recti
18. Name pelvic Floor Muscles
19. What is broncho pleural Fistula?
20. Define Rhonchi & Crackle
21. What is surgical emphysema?
22. Bronchopleural fistula
23. Types of Hysterectomy
24. Define AMBU Bag
25. Grades of Clubbing

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Mar 2013

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. What are the various tasks which a community level worker should be able to perform for a child with cerebral palsy at the a) Home level b) Community level c) Middle level
2. Develop a health awareness program for preventing coronary artery disease based on the different level of prevention
3. How do you conduct pre-vocational evaluation for a person with disability? Describe the modes of employment available for a paraplegic seeking employment

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

4. Discuss the various funding possibilities for sustaining a CBR project
5. Qualitative and quantitative methods of evaluation of a CBR project
6. What are the services provided at the primary and tertiary level of primary health care?
7. Role of social worker in rehabilitation
8. What are the government schemes for the disabled with respect of a) Education b) Employment
9. What training would you provide a family member regarding care of child with special needs?
10. Advantages and disadvantages of CBR
11. Role of Non-governmental organizations in CBR
12. List the types of disability. Mention the causes for the different disabilities
13. Define impairment, disability and handicap with examples

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

14. What is the WHO, ILO definition of community based rehabilitation?
15. Tools / modes of providing awareness regarding health to the people (Any four)
16. Consequence of disability on family
17. Role of the person with disability in the development of community based rehabilitation
18. What are the limitations faced while conducting a disability survey?
19. Role of a multi purpose rehabilitation technician
20. Importance of counseling in AIDS
21. What are the modes of intervention at the primary level of prevention?
22. What are the hurdles in CBR?
23. What are the types of screening methods?



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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - Mar 2013

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

NEURO PHYSIOTHERAPY
(RS-3 & RS-4)

Q.P. CODE: 2720

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

Essays type (Answer any Two out of three) **2 x 10 = 20 Marks**

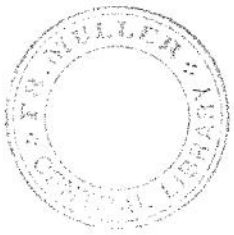
1. Write an essay on physiotherapy management for 40 year old man with right Hemisphere stroke.
2. Write in detail about physiotherapy management in Guillain Barre syndrome.
3. Write an assessment for balance and coordination

Short Essays type (Answer any Twelve out of fourteen) **12 x 5 = 60 Marks**

4. Explain the Clinical features of Upper Motor Lesion.
5. Physiotherapy Management for pudendal nerve palsy.
6. Explain the sensory re-education techniques.
7. Explain contemporary task oriented approach.
8. Mat exercises for paraplegic patient.
9. Write about treatment principles and techniques in sensory integration therapy.
10. Barthel index
11. Assessment of Down's syndrome.
12. Developmental milestones.
13. Write an essay about any three neuro-pathological gait.
14. Application of Brainstrom movement therapy
15. Physiotherapy Management of Neurogenic bladder.
16. Importance of Physiotherapy in Psychiatric disorders.
17. Explain about hyperkinetic and hypokinetic gait.

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

18. Clinical features of axillary nerve palsy
19. Define reflex
20. Explain dys-synergia and its types
21. Define hemiballismus
22. Difference between wrist drop and finger drop
23. Define carotid artery stenosis
24. Explain gower's sign
25. Define diplegia
26. Explain APGAR score
27. Define multiple sclerosis



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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – Mar 2013

Time: Three Hours Max. Marks: 80 Marks

Community Medicine

(RS-3 & RS-4)

Q.P. Code : 2721

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

ESSAYS TYPE (Answer any two) **2 x 10 = 20 Marks**

1. Classify occupational diseases and measures for health protection of workers.
2. Define maternal mortality rate. List the determinants of maternal mortality. Mention the preventive and social measures for reducing the MMR.
3. Define Epidemiology. Mention the uses of epidemiology and classification of epidemiological studies.

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

4. Levels of prevention
5. Sources of Health information
6. Ice-berg phenomenon of disease
7. Measles vaccine
8. Occupational cancer
9. Pasteurization of milk
10. Classification of Carriers
11. Signs of poor mental health
12. Uses of Growth chart
13. Elements of primary health care

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

14. Define Surveillance
15. Mention the principles of primary health care
16. Signs of Vitamin D deficiency
17. Occupational hazards of agricultural workers
18. Types of plague
19. Define safe and wholesome water
20. Mention natural family planning methods
21. Nosocomial infection
22. Strategies of Revised National Tuberculosis Control Programme
23. Classification of food



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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - Mar 2013

Time: 3 Hours **Max. Marks: 40**

Marks

Neurology

Q.P. Code : 2723

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

(Note : Both QP Codes 2723 and 2724 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) **1 x 10 = 10 Marks**

1. Write a note on classification of head injury and medical & surgical management
2. Discuss in detail about multiple sclerosis, pathphysiology, clinical symptoms & medical management

SHORT ESSAYS (Answer any Four) **4 x 5 = 20 Marks**

3. Write a note on muscular dystrophy & certification
4. Write a note on classification of nerve injuries
5. Write a note on bladder dysfunction in spinal cord injury
6. Ataxia
7. Cerebralpalsy

SHORT ANSWERS **5 x 2 = 10 Marks**

8. Eaton – lambert syndrome
9. Klippel – Feil syndrome
10. Asphyxia
11. Hydrocephalus
12. Brachial plexus palsy

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CENTRAL LIBRARY

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - Mar 2013

Time: 3 Hours **Max. Marks: 40**

Marks

Neurosurgery

Q.P. Code : 2724

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

(Note : Both QP Codes 2723 and 2724 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) **1 x 10 = 10 Marks**

1. Cervical prolapsed intervertebral disc causes, clinical features, investigation & management
2. Write a note on EMG

SHORT ESSAYS (Answer any Four) **4 x 5 = 20 Marks**

3. Laminectomy
4. Write a note on cerebral marformation & surgical management
5. RSD (Reflex sympathetic Dystrophy)
6. Write a note on investigation & complication Head of injury
7. Neural implantation

SHORT ANSWERS **5 x 2 = 10 Marks**

8. Wilsons disease
9. Pertussis
10. Rhizotomy
11. Burr – hole
12. Neurorraphe

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Rajiv Gandhi University of Health Sciences, Karnataka

IV year B.P.T. Degree Examination – Aug 2013

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

NEURO PHYSIOTHERAPY(RS – 3 & RS - 4)

Q.P. CODE: 2720

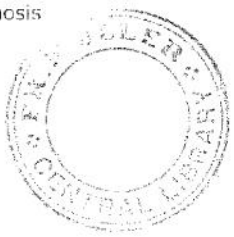
Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

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

1. Discuss balance and co – ordination examination for a case of cerebello pontine (CP) angle tumor, and explain findings
2. Outline principles of Neurodevelopmental screening tests. Briefly explain any one screening test
3. Discuss clinical features, differential diagnosis and physiotherapy intervention for parkinsons disease

SHORT ESSAYS (Answer any Twelve) **12 x 5 = 60 Marks**

4. Therapeutic interventions to control spasticity
5. Physiotherapy for central cord syndrome
6. Chalk out dofferential diagnosis in a clinical presentation of right sided hemiparesis
7. Clinical applicability of berg balance scale
8. List clinical features of thoracic outlet syndrome and describe role of physiotherapy
9. Outline principles of rood's approach
10. Muscle re – education in the management of hemiplegic gait
11. Explain the term " Minimal brain Damage" with reference to differential diagnosis
12. Describe cognitive status evaluation citing an assessment scale
13. Exercise prescription in neuromuscular junction disorders
14. Physiotherapy management of ulnar nerve palsy
15. Assessment of VII craniac nerve
16. Explain deformity in cerebrac pacsy
17. Post surgical management for spina bifida



SHORT ANSWERS (Answer any Ten) **10 x 3 = 30 Marks**

18. Landau's reflex
19. Bladder dysfunction associated with cauda equina lesion
20. Symptomatology of lateral meduliary syndrome
21. Clinical features of Tibial nerve palsy
22. Pathophysiology of Guillian Barre syndrome (GBS)
23. Classification of spina bifida
24. Proprioceptive Neuromuscular Facilitation (PNF) for the management of hypotonia
25. Equilibrium reactions
26. Glabellar tap sign and inference
27. Jaw jerk reflex

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