01

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – September 2014

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

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

1. Write about assessment and PT management of 62 year old female in ICU following Head injury.
2. Enumerate types of muscular dystrophies. Write about clinical features, assessment and PT management of DMD in 8 year old boy.
3. Define cerebral palsy. Write about clinical features, assessment and PT management of 6 year old female with athetoid CP.

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

4. Write a note on constrained induced movement therapy.
5. Physiotherapy management of radial nerve palsy (Neuropraxia)
6. Explain the Post-operative PT management of sub arachnoid haemorrhage
7. Write about types of neurological bladder
8. Write about effects and uses of facilitatory techniques in Roods approach.
9. Write about effects and uses of weight bearing exercises in paediatric conditions.
10. Physiotherapy management of Waddling gait
11. Explain stages of recovery in stroke according to Brunnstrom and its uses.
12. Write about effects and uses of Wobble board in neurological rehabilitation.
13. Define perceptual disorders. Write about any two perceptual disorders.
14. Physiotherapy management for post-polio syndrome with duration of 1 year
15. Define spasticity. Write about causes of spasticity and its assessment methods.
16. Write about clinical features and PT management of amyotrophic lateral sclerosis.
17. Physiotherapy management of ultra high lesion of spinal cord injury

SHORT ANSWERS (Answer any Ten) **10 x 2 = 20 Marks**

18. Pointing Index
19. Battle's sign
20. Hyper kinetic gait
21. 4 uses of EMG bio feedback
22. Micrographia
23. Axonotmesis and Neuropraxia
24. Reflex grading
25. Agnosia and its types
26. Dysdiadochokinesia
27. Chorea



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02

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – September 2014

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

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

1. Enumerate Nutritional Disorders in India. Write in brief Epidemiology and prevention of protein Energy Malnutrition
2. Define Maternal Mortality rate. Write in brief preventive and social measures to reduce the same
3. What are the contents and principles of Health education?

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

4. Remedial benefits under ESI Act
5. Uses of Epidemiology
6. Role of physiotherapists in prevention of Mental Retardation
7. UNICEF
8. Food Adulteration
9. Biological Transmission of Disease through vectors
10. What is primordial prevention? Explain with suitable examples
11. Pneumoconiosis
12. Iodine deficiency disorders
13. Job description of Multipurpose Health worker – Female

K.R. MULLER CENTRAL LIBRARY

SHORT ANSWERS (Answer any Ten) **10 x 2 = 20 Marks**

14. Physical quality of life index(PQLI)
15. Essential Newborn care
16. Dietary needs of pregnant women
17. Crude death rate
18. Importance of nutrition during pregnancy
19. Methods of waste disposal
20. Mention the three methods of Diet Survey
21. Residual chlorine
22. No Scalpel vasectomy
23. Man Made Malaria

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – September 2014

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. Define ageing. Write in detail about rehabilitation programme for elderly people living in old age home in a community setup.
2. Define high-risk screening. Write detailed about early detection of disabilities. Add a note on prevention of disabilities.
3. Define CBR. Explain in detail about different types of agencies and their roles in Indian community.

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

4. Principles of exercise prescription in elderly
5. Role of social worker in CBR
6. Write a note on Vocational rehabilitation services for persons with disability
7. Importance of genetic counseling
8. Management of dementia in community setup
9. Discuss ICF.
10. Mention the guidelines and procedure for disability evaluation for lower limb amputation.
11. District rehabilitation centers
12. Discuss community entry strategies.
13. What are the strategies to improve ADL for patient?
14. Role of family members in the rehabilitation of physically handicapped
15. Importance of parental counseling for children with disability
16. Define ergonomics. How to set an ideal chair for computer worker?
17. Management of cerebral palsy in community setup

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

18. What is PWD act?
19. Define rehabilitation.
20. Mention components of upper limb evaluation.
21. Mention the basic principles of CBR.
22. Functions of Red Cross in CBR
23. Day care centres
24. Camp approach
25. Write a short note on mobile units.
26. What is tertiary prevention?
27. Objectives of vocational training



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ST 4

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - September 2014

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 about Myasthenia gravis, its causes, pathophysiology, investigations and management.
2. Classify polyneuropathy. Write about any two types of polyneuropathy, its causes, clinical features and management.

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

3. Causes and clinical features of Bell's palsy
4. Tests of vestibular function
5. Clinical features of Cerebellar disorders
6. Perceptual disorders
7. Risk factors of stroke

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

8. Dysphagia
9. Chorea
10. Causes of Encephalitis
11. Asphyxia
12. Importance of nerve biopsy

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - September 2014

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. Write about Coma and its management.
2. Write about Spinal tumours, its classification, clinical features and management.

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

3. Klippel - Feil syndrome
4. Importance of evoked potentials
5. Arnold-Chiari malformation
6. Surgical management in spinal cord injury
7. Complications of open head injury and its management

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

8. Embolization
9. Shunting
10. Brain haemorrhage
11. Cranioplasty
12. Decompression surgery

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – September 2014

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. Define Colles fracture and add note on its complications and write in detail about PT management for the same.
2. Define scoliosis, its classification, clinical features, investigations and PT management for the same.
3. Define TKR. Explain in detail the assessment and PT management for the same.
4. Explain in detail assessment and PT management for a computer operator who is diagnosed with cervical spondylosis. Add a note on ergonomic measures for this operator.
5. 50 year old female is diagnosed with bilateral OA knee plan your assessment and management for the same.

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

6. PT management following tendon transfers in poliomyelitis
7. HKAFO
8. Periarthritic shoulder
9. Phantom limb and its PT management
10. PT management following flexor tendon repair Zone II
11. List out the deformities in cerebral palsy and add a note on its surgical corrections.
12. Golfer's elbow
13. Orthotic modifications for Genu Varum and Valgum
14. Types, incications and contraindications following osteotomy

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

15. Cubitus varus and valgus
16. Myositis ossificans
17. Importance of Codmans exercises in periarthritis
18. Cobb's angle
19. Stages of disc prolapse
20. Any four radiological features in osteoarthritis
21. Parts of AFO
22. Pes cavus and pes planus
23. Torticollis
24. Any two advantages of Ilizarov technique

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5th 7

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – September 2014

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 postural drainage. What are its indications and contraindications? Describe the postural drainage positions for the right middle lobe.
2. Explain in detail the assessment procedures you would perform on a 50 year old male with asthma since 10years.
3. Define cardiac rehabilitation. Plan cardiac rehabilitation for patient with myocardial infarction
4. Define rheumatoid arthritis. Explain the role of physiotherapy for the same.
5. Classify peripheral vascular diseases. Write in detail assessment and management of Buerger's disease.

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

6. Physiotherapy management for bronchiectasis
7. Forced expiratory technique
8. Outline physiotherapy management for lymphoedma.
9. Blue Boater Vs Pink Puffer
10. Physiotherapy management for alopecia
11. Neurophysiological facilitation of respiration – any two technique
12. Role of physiotherapy in the treatment of inflammation
13. Venous ulcer and its PT management
14. Role of exercise in hypertension
15. Segmental breathing exercises

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

16. What is IPPB?
17. Define empyema thoracis.
18. What is an embolism?
19. Contraindications of exercise testing
20. What is ventilation?
21. Orthopnea
22. Define forced vital capacity.
23. Types of alopecia
24. Abnormal breathing patterns
25. Complications of coughing

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – September 2014

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. Discuss the assessment and management of a 50 year old patient with alcoholic neuropathy.
2. Classify head injuries. Discuss the management of an unconscious patient.
3. What is myopathy? Give its type and management of any one.
4. Write the assessment and management in Parkinson's disease.
5. Write the assessment and management in multiple sclerosis disease.

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

6. Hydrocephalus
7. Brain stem reflexes
8. Neonatal screening
9. Optic nerve testing
10. Carpal tunnel syndrome
11. Autonomous bladder
12. Assessment and management of Bell's Palsy
13. Clinical features of Friedreich's Ataxia
14. Differentiate between UMN and LMN lesion.
15. Spina bifida



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

16. Unilateral neglect
17. Types of stroke
18. Ideomotor apraxia
19. Ulnar claw hand
20. Cortical sensations
21. Slump test
22. Uses of NCV
23. Gower's sign
24. Decubitus ulcer
25. Principles of PNF

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5th 9

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination - September 2014

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 PT management for the same.
2. Explain in detail the PT management following radical mastectomy. Discuss the complication following radical mastectomy.
3. Describe types of incontinence. Write in detail assessment and physiotherapy management of stress incontinence.
4. Enumerate the abdominal incisions. Explain the role of physiotherapy after kidney transplant.
5. What is valvotomy and valve replacement? Explain the role of physiotherapy after mitral valve replacement.

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

6. Buerger's exercise and its significance
7. Explain the method of suctioning. Add a note on complications during suctioning.
8. Physiotherapy management in rhinorrhea
9. Classify skin grafts and give its PT management.
10. Nebulizers
11. Physiotherapy management of a scar
12. Role of physiotherapy in local infections
13. Venous ulcer and its management
14. Role of physiotherapy in inguinal hernia
15. Role of physiotherapy after lobectomy

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

16. Adenoids
17. Name pelvic floor muscles
18. Colostomy
19. Complications of heart transplant
20. Autograft
21. What is thoracoplasty?
22. Tetralogy of faliot
23. Indications of CABG
24. What is broncho pleural fistula?
25. Types of hysterectomy



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5th 10

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – September 2014

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. Describe the three tier health care system. Identity the role of physiotherapy at each tier
2. Define CBR. What are methods to evaluate the CBR Program? Give the role of NGO in CBR program
3. Outline a detailed CBR Program for an 8 year old child with post-polio syndrome involving the lower limbs

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

4. Hurdles in CBR
5. Extension services
6. Importance of school screening
7. Group therapy for Elderly
8. Health promotion in Urban setting
9. Community awareness programs methods – Describe some commonly used methods
10. Home exercise program – oA knee
11. Bracing material to be used in Rural setting
12. Cohort studies
13. Role of social worker in rehabilitation

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

14. Use of mobile units
15. 2 uses of statistics in CBR
16. Mode of spread of Dengue
17. Name 2 benefit schemes for disabled
18. Importance of immunization program
19. What is Impairement?
20. Identify 2 problems of childhood obesity
21. List 2 anti smoking measures
22. Give the value of vertical survey
23. Role of Anganwadi worker

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5th II

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – September 2014

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**

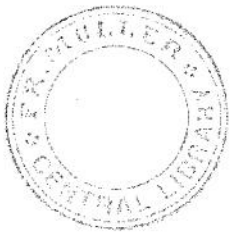
1. Define Yoga? What is Pranayama? Explain the benefits of pranayama.
2. Classify ergogenic Aids? Detailed note on pharmacological agents used as ergogenic aids?
3. Write detail about the immediate and long term effects on exercise on various systems of the body.

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

4. Define obesity? Explain the causes, types and methods prevention.
5. What is cardio-respiratory endurance? Explain effective methods to evaluate the cardio respiratory endurance.
6. Explain the risk factors for injury
7. Explain the role of saturated fatty acids & its association to development of coronary artery disease.
8. Describe the term hypertrophy & hyperplasia. Benefits of weight training in body builders.
9. Explain the mechanism of lateral ankle injury and its management with emphasis on proprioceptive training.
10. Indications & contraindication of Magneto-therapy
11. Therapeutics effects of acupuncture
12. Explain briefly importance of pre participation evaluation
13. Dynamics of protein metabolism

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

14. What is VO_2 max?
15. What is electro acupuncture?
16. Four effects of magneto-therapy
17. What is sprain?
18. Define Hyperplasia
19. Name the components of exercise testing
20. What is Qi (chi)?
21. Define basal metabolic rate
22. Define Massage
23. Define Pre-game meal.



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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – April 2014

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 60 year old female is diagnosed with periarthritis of left shoulder since 2 months. Explain in detail the assessment & management of the same
2. A 18 year old boy diagnosed to have ankylosing spondylitis since 3 yrs. He has been admitted with C/O severe pain & stiffness in the spine. Outline the assessment of the patient & discuss the management
3. A 60 yrs old female has undergone a TKR of her right knee 3 days ago. Explain in detail the assessment & management of the same
4. A 45 old year female complains of pain in the low back radiating to the left lower limb & was diagnosed to have posterolateral disc prolapse of L4-L5. Explain in detail the assessment & the management of the same
5. List the complications following below knee amputation. Explain the early post operative management of a below knee amputee with a brief note on the below knee prosthesis

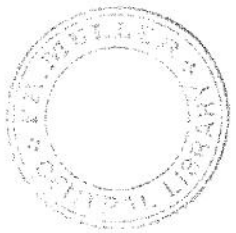
SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

6. Explain in detail management of colle's fracture
7. Principles of management of flexor tendon injuries of hand
8. Explain mechanism of injury in fracture clavicle. Describe in brief rehabilitation protocol for the same
9. Mention any 6 principles of tendon transfer. Briefly explain any 2 tendon transfers done for a patient with poliomyelitis of the lower limb
10. What are the types of scoliosis? Explain in detail the PT management for a 8 years old child diagnosed with nonstructural scolisis
11. Management of congenital talipes equinovarus
12. Explain in brief the management of tennis elbow & add a note on its taping procedure
13. Management of a 6 month old child with congenital dislocation of hip
14. Briefly explain the management of volkman's ischemic contracture

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

15. Empty cancan test
16. Types of normal end feel
17. Centralization phenomenon
18. Grades of mobilization
19. Anterior drawer test
20. List any 2 deformities of Rheumatoid hand
21. Mechanism of anterior cruciate ligament injury
22. Signs of Neurogenic claudication
23. Types of abnormal end feel
24. List the types of prosthesis used in total knee replacement

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – April 2014

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. List various airway clearance techniques. Describe the postural drainage positions for the right lower lobe.
2. Explain in detail the assessment procedures you would perform on a 50 year old male with COPD since 10years.
3. Define pulmonary rehabilitation. Enumerate the indications and goa's. Describe the components of pulmonary rehabilitation.
4. Define osteoarthritis. Explain the role of physiotherapy for osteoarthritis of Knee.
5. Define congestive heart failure. What are the clinical features and physiotherapy management for the same?

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

6. Physiotherapy management for pneumothorax
7. Active cycle breathing technique
8. Outline physiotherapy management for varicose vein.
9. Extrinsic and intrinsic asthma
10. Physiotherapy management of leucoderma
11. Neurophysiological facilitation of respiration – any two technique
12. Exercise prescription in a hypertensive patient
13. Principles of physiotherapy treatment in inflammation
14. Role of physiotherapy in psychiatric disorders
15. List the types and uses of nebulizers. Explain in brief the principles on which nebulizers work.

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

16. What is BiPAP?
17. Define lung abscess.
18. What is a gangrene?
19. What is low level exercise testing?
20. What is respiratory alkalosis?
21. Grades of clubbing
22. Define FeV1.
23. Name the clinical tests to diagnose DVT.
24. What is apneustic breathing?
25. Cough syncope

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – April-2014

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 is parkinsonism? Write about its clinical features, assessment and management of 60 year old female with parkinson's disease since 3 years
2. Write about clinical features, assessment and management of 26 year old female with syringomyelia at T5 to T7 level.
3. What are the causes of Ulnar nerve injury? Write about assessment and management of right sided ulnar nerve palsy in 38 year old male with duration of 8 months
4. 22 year old male suffering from incomplete cord injury at C3 C4 level for duration of 8 months. Write the assessment and management of the same
5. What is stroke and causes of stroke. Write about assessment and management of 48 year old female diagnosed as left sided MCA stroke since 2 months

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

6. Principles of neuro developmental therapy
7. Write the differences between lower motor neuron lesion and upper motor neuron lesions
8. PT management of scissoring gait
9. Write the importance of developmental screening
10. PT management of shoulder pain in stroke
11. Write about special tests in cerebellar dysfunstion
12. PT management of athetiod cerebral palsy
13. Write about barthel index
14. Write about importance of mat exercise in neuro rehabilitation
15. Importance of nerve conduction velocity tests

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

16. Moro reflex
17. Clinical uses of reflex testing
18. Define aneurysms
19. Sunset sign
20. Heterotopic ossification
21. Righting reactions
22. Uses of bridging
23. Motor aphasia
24. Signs of meningitis
25. Uses of Glasgow coma scale

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – April 2014

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. Explain the 'Rule of Nine' with diagram. Write a PT management for a patient with head and neck burns.
2. Classify ventilators. Explain the different modes of ventilators.
3. Explain the principles of tendon transfer. Explain the PT management following tendon transfer for foot drop.
4. What are the components of ICU monitoring? Explain the physiotherapy management of ventilator dependent patient.
5. Enumerate the musculoskeletal complications during pregnancy. Write in detail assessment and management of diastasis recti.

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

6. Explain Bruce protocol.
7. Mention difference between the adult and pediatric respiratory system.
8. Physiotherapy in stages of labor
9. Explain in detail the role of physiotherapy in preventing and healing bed sore.
10. Complication after arterial surgeries
11. Physiotherapy management of wound
12. Mention the various incisions in abdominal surgeries.
13. Antenatal training
14. Role of preoperative physiotherapy in abdominal surgeries
15. Pelvic inflammatory disease

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

16. Tetralogy of fallot
17. Define cardiac rehabilitation.
18. Types of endotracheal tube
19. Nephrectomy indications
20. What is thoracoplasty?
21. Special points related to pelvic surgeries
22. Complications of CABG
23. Name the abdominal exercises.
24. Ankle brachial index
25. Define AMBU bag.

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16 HS 8

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination - April-2014

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. Discuss institution based rehabilitation versus community based rehabilitation.
2. Discuss role of social worker in rehabilitation
3. What is social awareness? Explain various community awareness programmes.

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

4. Genetic counseling & its importance
5. Bracing materials in rural rehabilitation
6. Explain group physiotherapy in the community
7. Screening methods for mentally retarded children in rural area
8. Need for integrated special school
9. What do you mean by survey? Explain its importance
10. Explain about health delivery systems in India
11. Age related problems in various system of body
12. Hurdles in CBR
13. Natural family Planning methods.

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

14. Define Handicap
15. Write any two tasks of anganwadi Workers
16. Define independent Variable
17. Uses of extension Services
18. Mention 2 reasons for maternal education
19. Health Education regarding preventing acute exacerbation of bronchial asthma
20. Role of placement officer in vocational rehabilitation
21. What are the types of disabilities?
22. Importance of counseling in AIDS
23. What is field visit?

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - April 2014

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. Explain characteristics of hemiplegic gait. Write about gait training for hemiplegic patient in stage of recovery.
2. What are the causes for common peroneal nerve palsy? Write physiotherapy management of a foot drop case.
3. What are clinical features of Parkinsonism? Write physiotherapy management for the same.

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

4. How will you evaluate level of consciousness in a case of head injury?
5. Write about development of gross motor milestones of a normal child in first one year
6. Explain principles of Rood's and Vojta's treatment approaches for cerebral palsy
7. Exercises for sensory ataxia
8. Write physiotherapy management of paraplegic case in stage of spinal shock
9. How will you manage case of amyotrophic lateral sclerosis?
10. Explain types of involuntary movements
11. Physiotherapy management of Duechenne's Muscular Dystrophy
12. Write about management of athetoid cerebral palsy case
13. Write physiotherapy management in case of bulbar polio.
14. Write in short factors affecting recovery following nerve injury
15. Physiotherapy management of myasthenia gravis
16. Importance of neuro developmental screening & assessment in babies
17. How will you manage case of Bell's palsy in stage of recovery?

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

18. Kernig's Sign
19. Evaluation of sixth cranial nerve
20. Automatic bladder
21. Genetic abnormality in Down's Syndrome
22. Physiological classification of cerebral palsy
23. Palmar & Plantar grasp reflex
24. Glabellar Tap Test
25. Seddon's classification of nerve injury
26. Attitude of intrinsic minus hand
27. Define perception

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – April 2014

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. Explain the epidemiology of poliomyelitis. Add a note on epidemiological basis for poliomyelitis eradication.
2. Explain elements of cohort study. Mention the main differences between case control and cohort studies.
3. Define demography. Explain the demographic cycle. Add a note on couple protection rate (CPR)

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

4. Monitoring & surveillance
5. Incidence & prevalence
6. Biases in case-control study
7. BCG vaccine
8. Indirect modes of transmission
9. Classical Dengue fever
10. Define screening and uses of screening
11. Preventive and social measures to reduce maternal mortality
12. Health problems of the aged
13. Mosquito control measures

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

14. Case fatality rate
15. Food fortification
16. Signs of Vitamin C deficiency and its prevention
17. Uses of descriptive epidemiology
18. Diagram of disaster cycle
19. Define epidemic
20. Two uses of growth chart
21. Passive surveillance
22. Define maternal mortality
23. Mention the vaccines under universal immunization programme



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19 #1 ②

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – April-2014

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

COMMUNITY BASED REHABILITATION
(RS3 & RS4)

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. Mention the role of the government in the present rehabilitation services for persons with disability. List the factors limiting the role of the government in providing these services
2. Discuss the three tier health care delivery system in India
3. What are the different levels of prevention of disease? What are the modes of intervention at each levels of prevention for preventing mental retardation in children?

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

4. Discuss a Physiotherapist training programme
   a) Family member & b) Community level worker regarding care of a paraplegic at home
5. List the members who form the vocational evaluation team. Enumerate in brief the role of each member of the team
6. Develop a home exercise program for a 6 year old child suffering from spinal muscular atrophy
7. Role of social worker in CBR
8. What is vocational rehabilitation? Give 5 vocational rehabilitation options for an 18 year old spastic diplegic with mild mental retardation, mild speech and hearing deficit, who is uneducated living in rural area
9. Classify occupational hazards. List all the occupational hazards which could be faced by a computer dental surgeon
10. Advantages and limitations of CBR
11. Discuss the difference between monitoring and evaluation and its importance in CBR projects
12. What environmental modification would you suggest for a wheel chair user working in an IT company whose office is on the second floor?
13. What are the consequences of disability on
    a) Person with disability b) Family c) Community
14. Discuss the difference between Out reach and Out patient services
15. Describe the different modes of employment available for persons with disability seeking employment
16. What is the role of the physiotherapist in the post natal phase for the mother and family?
17. Role of WHO and World Bank in CBR activities

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

18. List the members who form a part of the CBR team
19. Define disability and Handicap according to WHO
20. Mention 4 important roles of NGO's in CBR
21. Mention 2 national level programs for health in children
22. 2 advantages of Out reach services
23. Mention 4 uses of a survey
24. 2 approaches to facilitate community participation in CBR activities
25. 2 screening tests for Down's syndrome
26. List various types of disability
27. Name 2 national organizations involved in CBR activities

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - April 2014

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. Discuss in detail about cranial nerve examination
2. Polyneuropathy – classification & explain about diagnosis of polyneuropathy

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

3. Down syndrome
4. Thoracic outlet syndrome
5. Eaton – lambert syndrome
6. TIA
7. Meningitis

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

8. Alcohol toxicity
9. Define autisms
10. Define chorea
11. Epilepsy classification
12. Vertigo

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CONTROL LIBRARY

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - April 2014

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. Surgical management complications of Encephalitis
2. Surgical management complications of Dandy walker syndrome

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

3. Ataxia talengiectasia
4. Radial nerve palsy
5. Cerebral mal formation
6. Complication of organ transplantation
7. Complication of neural implantation

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

8. Pallidotomy
9. Tabes dorsalis
10. Chorea
11. Syphilis
12. Eaten - lambert syndrome

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