# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## THERAPEUTICS (0S, RS & RS2)

## Q.P. CODE: 2161

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 resisted exercises? Explain the precautions for resisted exercises
2. Mat exercises
3. What are aerobic exercises? Explain the principles of aerobic exercises

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

4. Bronchial hygiene
5. Merits and demerits of suspension therapy
6. Delorme's technique
7. Indications and contraindications of hydrotherapy
8. Principles of manual muscle testing
9. Hand muscle strengthening
10. Define postural drainage. Give its indications and contraindications
11. Frenkel's exercise
12. Walking aids
13. Classification and uses of active exercises
14. Indications and contraindications of massage
15. Setting up of therapeutic gymnasium
16. Definition and types of relaxation
17. Hold-relax technique

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

18. Define endurance and its types
19. Tightness and contracture
20. Petrissage
21. Define flexibility
22. Repetition maximum
23. Muscle tone
24. What is stretching?
25. Equilibrium board
26. Pulleys
27. Functional position of hand

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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 (OS, RS & RS2)

## Q.P. CODE: 2162

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 physiological effects and therapeutic uses of pulsed currents
2. Describe the types, effects, merits and demerits of Ultra violet radiation
3. Discuss the traditional methods of electrodiagnosis

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

4. Ultrasound coupling media
5. Classification of LASER
6. Half value depth in ultrasound
7. Filters in ultra violet radiation
8. Therapeutic uses of microwave diathermy
9. Gate control theory of pain
10. Contraindications for TENS
11. Technique of electrical stimulation of denervated muscles
12. Principles and advantages of Ionotophoresis
13. Indications and technique of faradic foot bath
14. Calculation of test dose in ultraviolet radiation
15. Precautions and treatment of shock
16. Effects and uses visible lights
17. Spacing in shortwave diathermy

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

18. Define EMG Biofeedback
19. Neuropraxia
20. Mention any four absolute contraindications for Cryotherapy
21. Standing waves
22. Define CP module
23. Pfluger's law
24. Define High TENS
25. Accommodation of nerve
26. Define beat frequency in interferential currents
27. What is ramping of current?

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## GENERAL MEDICINE

## (RS-3 & RS-4)

## Q.P. CODE: 2714

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 PFT? What are the indications and contra indication of PFT? How do you differentiate obstructive and restrictive lung disorder based on PFT?
2. Define diabetes mellitus. Discuss the etiopathology, management and complications of diabetes mellitus.
3. What are the congenital heart diseases? Discuss the clinical features, investigations and management of atrial septal defect.

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

4. Acute respiratory distress syndrome
5. Protein energy malnutrition
6. Causes, clinical features and treatment of haemophilia
7. Clinical features and management of achlasia cardia
8. Classification and management of pneumonia
9. What are the problems in High Risk Infants and how do you manage the problems?
10. Clinical features and management of congestive cardiac failure
11. Clinical features and management of schizophrenia
12. Clinical features and management of bronchiectasis
13. OP poisoning

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

14. Pink puffers and blue bloaters
15. Two antiviral drugs
16. Clinical features of spontaneous pneumothorax.
17. Types of aneurysms
18. Autism
19. Name first line antitubercular drugs.
20. Four precautions to be taken in diabetic foot
21. Classify anxiety disorders.
22. Wilson's disease
23. Two effects of smoking on respiratory system

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## ORTHOPAEDICS & SPORTS PHYSIOTHERAPY
## (RS–3 & RS–4)
## Q.P. CODE: 2717

**(QP Contains two pages)**

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. A 21 year old man sustained fracture shaft of humerus which is reduced and treated conservatively with plaster of paris slab, visited a physical therapy clinic one day after the removal of slab for further management. List out the assessment, aims and means of treatment for the same.
2. What are the principles of rehabilitation after a tendon transfer surgery? Mention in detail some important tendon transfer surgeries, which are usually performed in lower limb in a case of poliomyelitis?
3. *Write down the assessment and management of case of posterolateral disc prolapse, L4-L5 level, with pain radiating to left thigh.*

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

4. Compile the assessment for biceps tendonitis along with the special test which aid in its diagnosis.
5. What are the causes of impingement syndrome in shoulder? Briefly mention the physical therapy treatment aims for it.
6. What are the general physical therapy treatment principles for osteoarthritis of knee at acute and sub acute and chronic stages?
7. Briefly mention the assessment of a 27 year old man following ankylosing spondylitis which is in sub acute stage.
8. What is the position of foot in CONGENITAL TALIPES EQUINO VARUS deformity? What are the principles of management for a 3 year old child with the deformity?
9. What is osteoporosis? Mention any 2 investigations required to diagnose it. What are the precautions to be taken by a physical therapist to treat a patient with the disorder?
10. Mention the physical therapy management for a patient with osteomyelitis of knee at chronic stage.
11. What are causes of THORACIC OUTLET SYNDROME? Mention 2 confirmatory tests for it.
12. Write the postoperative physical therapy management of patellectomy for a 30 year old male following a comminuted fracture of patella.
13. What is perthes disease? Mention physical therapy management for a 3year old boy diagnosed with perthes.
14. What are the types of spinal tractions? Give its indications and contra indications.
15. Discuss the physical therapy management of a 3 year old child who has a torticollis deformity to her right side.
16. What is spondilolisthesis? Write down the exercises, which can be given for an adult who has a listhesis over $L_5$-$S_1$ since 4 months after a fall.
17. Discuss briefly about the spinal orthosis and its mechanical principles, which can be given for a grade -2 scoliosis (cobb's angle greater than 40 degrees).

# Rajiv Gandhi University of Health Sciences, Karnataka

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

18. Bowstring test
19. Indications of synovectomy
20. What is a capsular pattern of a joint?
21. What is P.R.I.C.E?
22. Any 2 advantages of CLOSED KINEMATIC CHAIN EXERCISES
23. Plica syndrome
24. Sacral angle
25. Obers test – Indication
26. Trigger finger – Causes
27. Symptoms of spinal canal stenosis

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22 33

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## GENERAL SURGERY

## (RS-3 & RS-4)

## Q.P. CODE: 2715

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 incontinence under (a) Definition (b) Types (c) Causes (d) Assessment (e) Management
2. Classify congenital heart disease. What are the clinical features and management of Tetrology of fallot?
3. Write an essay on etiology and pathogenesis of Atherosclerosis.

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

4. Cardiac tamponade
5. Aneurysm
6. Corneal ulcer
7. Chronic otitis media
8. Types of skin grafts
9. Facial burns
10. Write a note on general postoperative complications.
11. Thoracoplasty
12. Carcinoma of female breast
13. Pleural effusion

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

14. Types of scar
15. Any four factors affecting wound healing
16. What is gas gangrene?
17. Define Lung abscess.
18. Enumerate chest wall deformities.
19. Biopsy - types
20. What is oesophageal disruption?
21. Pleurectomy
22. Effects of menopause on musculo skeletal system (any four)
23. Nephrectomy – indications

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23 27

2716_2013_2_S182

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## ORTHOPAEDICS AND TRAUMATOLOGY

## (RS-3 & RS -4)

## Q.P. CODE: 2716

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 causes for CDH? Explain the clinical features and management for the same
2. Explain the mechanism of injury for colle's fracture, its complications and medical management
3. Classification of fracture neck of femur, its complications and surgical management

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

4. Causes for piriformis syndrome, clinical features and its management
5. Describe the various stages of perthe's disease and its cause and surgical management
6. Explain the mechanism of injury in meniscal tears, types and its conservative management
7. What are connective tissue disorders and explain each one briefly
8. Explain the causes for osteomyelitis, clinical features and the complications
9. Types of torticollis and its medical and surgical management
10. Explain the immediate and early complications following fracture shaft of femur
11. Explain the causes for rheumatoid arthritis, pathophysiology and various deformities seen in hand
12. Mention the causes for plantar fasciitis and also its management with emphasis on orthotics
13. Describe the etiology of cervical spondylosis, its clinical and radiological features

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

14. Define cerebral palsy
15. Mention the surgeries done in poliomyelitis
16. List the types of spondylolisthesis
17. What is SACH foot?
18. What is mallet finger?
19. Mention the treatment for fat embolism
20. Jefferson's fracture
21. What is sacralisation?
22. Uses of SOMI brace
23. Indications for arthodesis

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25 24

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## CARDIORESPIRATORY & GENERAL PHYSIOTHERAPY

(RS-3 & RS-4)

## Q.P. CODE: 2718

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. A 10 year old child diagnosed with bronchial asthma is dyspneic is unable to complete 6 minute walk test. Write a detailed pulmonary rehabilitation for him.
2. Elaborate phases of cardiac rehabilitation for a 55 year old obese patient who has undergone coronary artery bypass graft.
3. Elaborate antenatal assessment and management for a 28 year old primi gravida.

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

4. Classify peripheral vascular diseases. Write PT management for any one of them.
5. Explain the various electrotherapy and exercise therapy measures used in stress incontinence.
6. Write a detailed PT management in case of right pleural effusion who is on intercostal drainage.
7. Define oxygen therapy. Explain methods of providing oxygen therapy to patients.
8. Explain the Scar management following burns.
9. Define and classify ulcers. Give a PT management for a patient following venous ulcer at the right lateral malleolus.
10. What are the anatomical and physiological differences between adult and pediatric respiratory system?
11. What are the means of assessing exercise tolerance for a patient with cardiac disease? Explain any one in detail.
12. What is acid-base analysis? Add a note on respiratory acidosis and alkalosis.
13. What are the various methods used to assess the body composition?
14. What are the types of emphysema? Explain the PT management.
15. What is role of the physiotherapist for a patient following lobectomy?
16. Explain the various methods used to remove secretions.
17. What are the neuro-physiological facilitation techniques used to improve respiration?

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

18. Define wheeze and crackles.
19. Define pulmonary rehabilitation.
20. Cardiac tamponade
21. Any 4 complications of ventilators
22. Any 4 precautions for diabetic foot
23. Autogenic drainage
24. What is diastasis pubis?
25. What is target heart rate?
26. What is paradoxical breathing?
27. Two indications of PFT

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26 25

2163_2013_2_S123

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## CLINICAL ORTHOPAEDICS
## (OS, RS & RS2)

## Q.P. CODE: 2163

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. Classify Rotator cuff lesions, briefly describe the clinical features & Managcment of Frozen shoulder
2. Discuss the process of Bone healing in Fracture
3. Discuss the aetiology, Pathology clinical features and management of CLUB FOOT

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

4. Spina Bifida
5. Multiple Myeloma
6. Vertical Talus
7. Acute Gout
8. External Fixation
9. Osteoid Osteoma
10. Meniscal Tear
11. Neura Praxia
12. Osteogenesis Imperfecta
13. Dwarfism( Achondroplasia)

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

14. Radio Nucleide Bone Scan
15. Osteotomy
16. Bone Grafting
17. Syndactyly
18. Mallet finger
19. Supraspinatus Calcification
20. Involucrum
21. Sudeks Atrophy
22. Nerve Conduction Velocity
23. Colles Fractures

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27 LD

2166_2013_2_S123

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## Neurology

## Q.P. Code : 2166

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

**(Note : Both QP Codes 2166 and 2167 are to be answered within total duration of 3 hours)**

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

1. Define cerebral palsy? Classify. Discuss briefly clinical features, diagnosis & management of Cerebral palsy
2. What is poliomyelitis? Classify the stages and discuss briefly about clinical features, diagnosis & management or the same

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

3. Write briefly causes & management of cerebellar Ataxia
4. Discuss management of Neurogenic bladder
5. Discuss briefly about clinical features of polymyositis
6. Write in detail about Dystrophies
7. Write briefly about, the assessment of Reflexes

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

8. What is Transient ischemic stroke
9. Two importance of M R I Scan in clinical diagnosis
10. What is Gower sign?
11. Symptoms of increased intracranial pressure
12. Types of Tremors

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28

2167_2013_2_S262

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## Neurosurgery

## Q.P. Code : 2167

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

**(Note : Both QP Codes 2166 and 2167 are to be answered within total duration of 3 hours)**

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

1. Write the classification clinical features and management of spinal cord tumors
2. Classify peripheral nerve injuries and discuss the principles of management

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

3. Discuss briefly management of head injury
4. Arnold – chiari malformations
5. Clinical features of hydrocephalus
6. Signs & symptoms of increased intracranial pressure
7. Indications for neurosurgery

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

8. What is spina bifida
9. Two use of CT scan
10. What is Erb's palsy
11. Indications for lumbar puncture
12. Name any two types of neurogenic bladder

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# Rajiv Gandhi University of Health Sciences 29

Third Year BPT Degree Examination - Aug 2013

Time: 3 Hours [Max. Marks: 80]

## Community Medicine

## QP Code : 2168

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

**LONG ESSAY (Answer any two)** **2 X 10 = 20 Marks**

1. List the various contraceptive methods. Explain about intra uterine contraceptive devices
2. Explain the principles of Health education
3. Define Primary Health Care. Explain the principles of Primary Health Care

**SHORT ESSAY (Answer any eight)** **8X 5 = 40 Marks**

4. Measles vaccines
5. Types of communication
6. Prevention of drug dependence
7. Health hazards due to industrialization
8. Health problems of the aged
9. Aspects of school health services
10. Male sterilization
11. Prevention and control of obesity
12. Rehabilitation of person with leprosy
13. Uses of epidemiology

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

14. Define incidence and prevalence
15. Treatment of Multi bacillary leprosy
16. List the stages of demographic cycle
17. Mention any four warning signals of cancer
18. List the diseases transmitted by mosquito
19. Define eradication
20. Ergonomics
21. Gaps in the natural history of non-communicable diseases
22. Annual parasite incidence (API)
23. Types of surveillance in malaria.

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30 40

2163_2011_1_S263

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## CLINICAL ORTHOPAEDICS
## (OS, RS & RS2)

## Q.P. CODE: 2163

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. Classify fracture neck of femur in adults. Describe clinical features, radiological evaluations treatment options of intra capsular fracture of neck femur in 60 yr old man
2. Explain in detail developmental dysplasia of hip
3. Write classification of peripheral nerve injuries and detail about aetiology, clinical features, and management of radial nerve

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

4. Ilizarov's technique
5. Dequervain's disease
6. Stages of fracture healing
7. Symes amputation
8. Scoliosis
9. Osteoarthritis of knee joint
10. Torticolis
11. Ankle sprain
12. Classification and types of leprosy
13. Complication of supracondylar fracture of humerus

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

14. Ulnar paradox
15. Bamboo spine
16. Barton's fracture
17. Hand to knee gait
18. Neurogenic bladder
19. Jumper's knee
20. Volkman's ischaemic contracture
21. MRI scan
22. Hallux valgus
23. Saturday night palsy

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31

2164_2011_1_S182

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (Physiotherapy) Degree Examination – Mar 2013

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

## GENERAL MEDICINE
## (OS, RS & RS2)

## Q.P. CODE: 2164

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 bronchiectasis. Write a note on its causes, clinical features, complications and management
2. Define and classify anaemia. Discuss etiology, clinical features and management of megaloblastic anaemia
3. Define infective endocarditis. Write a note on its clinical features, diagnostic criteria, complications and management

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

4. Deep vein thrombosis
5. Obesity
6. Rickets
7. Cushing's syndrome
8. Ankylosing spondylitis
9. Bronchial asthma
10. Pneumonia
11. Secondary hypertension
12. Pellagra
13. Oral hypoglycaemic agents

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

14. Name 2 acyanotic congenital heart diseases
15. Name 4 antitubercular drugs
16. Name 2 bronchodilators
17. Rheumatic fever prophylaxis
18. Name 2 Beta blockers
19. Name 2 anticoagulants
20. Name 2 tests for diagnosis of enteric fever
21. Classify cardiomyopathy
22. Name 4 complications of hypertension
23.

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32 SS

2165_2011_1_S183

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (Physiotherapy) Degree Examination – Mar 2013

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

## GENERAL SURGERY
## (OS, RS & RS2)

## Q.P. CODE: 2165

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 & classify Burns. Describe the management pf 30% thermal Burns
2. Write briefly about Etiology, clinical features & management of chronic Cholecystitis
3. Define Hernia. Write about Etiology, clinical features and management of inguinal hernia

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

4. Abdominal incisions
5. Absorbable suture materials
6. Cataract
7. Shock
8. Complications of fracture of ribs
9. Thoracoplasty
10. Fascial palsy
11. Syphilis
12. Conjunctivitis
13. Skin grafting

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

14. AIDS
15. Menopause
16. Lactation
17. Corneal ulcers
18. Sinus
19. Balloon angioplasty
20. Surgical needless
21. Pelvic floor exercises
22. Pace maker
23. Epistaxis

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33

2166_2011_1_S261

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

**Marks**

## Neurology

## Q.P. Code : 2166

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

**(Note : Both QP Codes 2166 and 2167 are to be answered within total duration of 3 hours)**

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

1. Describe the clinical features pathogenesis and management of Guillain – barre syndrome
2. Describe the clinical features and management of motor neuron disease

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

3. Write short essay on motor system examination
4. Write short essay on tabes dorsalis
5. Clinical features of cerebellar diseases
6. Management of poliomyelitis
7. Differences between upper motor and lower motor lesions

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

8. Quadriplegia
9. Foot drop
10. What is spinal arachnoditis
11. What is entrapment neuropathy
12. Define ataxia

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34

2166_2011_1_S102

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

**Marks**

## Neurosurgery

## Q.P. Code : 2167

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

**(Note : Both QP Codes 2166 and 2167 are to be answered within total duration of 3 hours)**

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

1. Spinal cord injury management (Acute, chronic, post op)
2. Spasticity, physiology, management

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

3. Cerebral palsy management
4. Radial nerve injury, sites, causes, location
5. Brown sequard syndrome
6. Non operative management of lumbar disc
7. LMN bladder

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

8. Clean intermittent catheterization
9. Hydrocephalus classification
10. Reflex arc
11. Syringomyelia classification
12. Carpal tunnel syndrome

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35 30

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## GENERAL MEDICINE

## (RS-3 & RS-4)

## Q.P. CODE: 2714

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 cerebral palsy under definition, classification, clinical features and management.
2. Definition, classification, clinical features and management of respiratory failure
3. Describe the etio pathogenesis of Diabetes mellitus. Add a note on its management.

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

4. Thalassaemia
5. Hemophilia – clinical features and management
6. Source and spread of infection
7. Goitre
8. Myocarditis
9. Mood disorders – types and management
10. Autism
11. Leprosy
12. Ulcerative colitis
13. Viral hepatitis

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

14. MMR vaccine
15. Any four indications for antivenom administration in snake bites
16. Marasmus
17. Cardiac arrest – definition
18. Causes of GI bleeding
19. Define Lung abscess.
20. Dermatitis
21. Problems of Low birth weight infants
22. Dementia
23. Aplastic anaemia

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36

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## GENERAL SURGERY

## (RS-3 & RS-4)

## Q.P. CODE: 2715

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 types of hernia and write a note on surgical management of inguinal hernia.
2. Classify peripheral vascular diseases and write in detail about thrombo angitis obliterans (TAO).
3. Describe various factors that affect wound healing.

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

4. Surgical management of facial palsy
5. Mastectomy
6. Drainage tubes
7. List out musculoskeletal disorders during pregnancy
8. Cataract
9. Birth control
10. Pneumonectomy
11. Types and causes of incontinence in females
12. Facial burns
13. Prostectomy

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

14. Types of shock
15. Clinical features of appendicitis.
16. CABG-Indications
17. Lobectomy – definition
18. Transverse abdominal incision (Advantages and Disadvantages)
19. When does a wound heal by secondary intention?
20. Episiotomy – definition
21. Define autograft.
22. Cause of female infertility
23. Split skin grafts

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## ORTHOPAEDICS AND TRAUMATOLOGY

## (RS-3 & RS-4)

## Q.P. CODE: 2716

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. Outline the anatomy of Brachial plexus with a line diagram. Various tests carried out to investigate brachial plexus injury.
2. Discuss the anatomy of iliotibial band. What are the deformities produced by contractures of iliotibial band in poliomyelitis and outline the management of same.
3. Describe rehabilitation of paraplegia due to spinal # at D6.

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

4. Physiotherapy in osteoarthritis of knee.
5. Bamboo spine.
6. Thomas' test.
7. Arches of foot.
8. Recurrent shoulder dislocation.
9. Tennis elbow.
10. Rickets.
11. Stress fracture.
12. Compartment syndrome.
13. Deep vein thrombosis.

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

14. Colles fracture.
15. Intrinsic minus hand.
16. Wolff's law.
17. March fracture.
18. Garre's osteomyelitis.
19. Sequestrum.
20. Osteoporosis.
21. Bone cyst.
22. Wax bath.
23. Dynamic hand splint.

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38

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

ORTHOPAEDICS & SPORTS PHYSIOTHERAPY

(RS-3 & RS-4)

**Q.P. CODE: 2717**

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 spondylolithesis and explain the clinical presentation of the same. Write in detail the physiotherapy management of a 40 year old patient diagnosed with spondylolisthesis.
2. Enumerate the indications of amputation. Explain the physiotherapy management of an above knee amputee.
3. 45 year old female patient presents to you with knee osteoarthrosis. Highlight your assessment and treatment priorities.

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

4. Etiology and pathogenesis of tennis elbow.
5. Indications and Parts of ankle foot orthosis.
6. Briefly describe the types of spinal traction and its indications.
7. Mention two tests utilized to diagnose impingement syndrome of shoulder. Describe them in detail.
8. Write in detail the pathogenesis of swan neck deformity. Write the physical therapy management of swan neck deformity.
9. Explain in detail physiotherapy protocol following flexor tendon injury of hand in zone II.
10. What is pes cavus? Write the physiotherapy management of pes cavus.
11. Describe in detail the three syndromes of mckenzie.
12. Describe kyphotic posture. What exercises would you suggest to correct a kyphotic posture?
13. What are the common deformities seen in cerebral palsy. Briefly explain them.
14. Physical therapy management of total elbow arthroplasty
15. Etiology of carpal tunnel syndrome. Write down the assessment of the same.
16. Explain in detail about lateral ligamentous complex of the ankle and types of ankle sprain.
17. Write in detail the physiotherapy management of supraspinatus tendonitis.

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

18. Mc Murrays test.
19. Painful arc syndrome
20. Golfer's elbow - Causes.
21. Dequervain's disease
22. Upper limb tension test for radial nerve
23. Sequestration
24. Sacralisation
25. Stages of soft tissue injury
26. Hip knee ankle foot orthosis - Indications
27. Mills test

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

## CARDIORESPIRATORY & GENERAL PHYSIOTHERAPY

## (RS–3 & RS-4)

## Q.P. CODE: 2718

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 PT management of Ulcer and the preventive measures for the same.
2. Explain the PT management of a 50yr old female who has underwent Radical mastectomy.
3. Elaborate the aims and means of PT management of a patient with Pleural effusion in the ICU with an intercostals drain.

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

4. Postoperative management following Gastrectomy
5. Thoracic incisions and complication following the same
6. Clinical features of Deep vein thrombosis and its PT management.
7. Importance of Pulmonary function testing in clinical assessment
8. Explain Low-level exercise testing.
9. Exercise in Type II Diabetes Mellitus
10. Write briefly about manual hyperinflation.
11. Cyanosis
12. Splints used in case of burns to prevents contractures
13. PT management in Mitral valve replacement
14. PT management of an infected wound
15. Pelvic floor muscle re education
16. Criteria for Weaning a patient from ventilator
17. Home programme for an individual with Hypertension

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

18. Grades of Dyspnea
19. Components of Tetralogy of Fallot
20. Karvonen's formula
21. Keloid scar
22. Explain PQRS in ECG.
23. Define pulmonary rehabilitation.
24. Bronchopleural fistula
25. Any four contraindications for Postural drainage
26. Complications of Appendicectomy
27. Collateral ventilation

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