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2169_2011_1_S102

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – Feb/March 2011

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. Outline the physical examination findings in a 14 year old female with left sided thoracolumbar scoliosis. Plan the physiotherapy treatment for the same
2. What are the signs and symptoms of rheumatoid arthritis? Write the physiotherapy management of rheumatoid arthritis
3. Write the physiotherapy management following hemi replacement arthroplasty of hip from the 2nd post-operative day till the patients discharge from hospital
4. What are the stages of frozen shoulder? Write the PT management of a patient with frozen shoulder of 6 months duration
5. What are the common complications of supracondylar fracture of the humerus? Describe the physiotherapy management of a 10 year old boy with supracondylar fracture

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

6. Ergonomic measures for a computer operator with neck pain
7. What are the causes of patello-femoral pain? Write a note on the management of chondromalacia patellae
8. Explain the principles of tendon transfers
9. Describe the physiotherapy management of patient with bilcipital tendinitis
10. Name and describe any two clinical tests to diagnose congenital dislocation of hip
11. Describe the physiotherapy management of tibial plateau fracture
12. Write a note on Perthes disease
13. What are the signs and symptoms of reflex sympathetic dystrophy (RSD)? Explain in brief the physiotherapy management of RSD
14. What are the causes of cervical rib? Explain any one test for cervical rib

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

15. What is Sprengels shoulder?
16. Sites of entrapment of ulnar nerve
17. What is Boutenniere deformity
18. Any two home exercise for torticolis
19. Any four clinical features of ankylosing spondilitis
20. What is peripheralization of pain?
21. Self stretching of Iliotibial band
22. Name the common surgeries for recurrent dislocation of shoulder
23. What is trigger finger?
24. Upper limb tension test for radial nerve

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2171_2011_1_S224

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination -Feb/March 2011

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. List types of muscular dystrophies. Write about assessment and management of duchenne muscular dystrophy in 15 year old male
2. 22 year old male suffering from complete cord injury at D11 – D-12 level for duration of 3 months. Write the assessment and management of the same
3. Write the assessment and management of right middle cerebral artery stroke giving importance to Hand rehabilitation
4. What is multiple sclerosis? Write about the clinical features, assessment and management of 42 year old male with multiple sclerosis since 3 years
5. What is syringomyelia? Write about its clinical features, assessment and management of 24 year old male with syringomyelia at level T3 – T5 since 2 year

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

6. PT management of ataxic gait
7. PT management of sciatica
8. Write a note on management of flaccidity
9. Explain about management of gait in stroke
10. PT management of acute median nerve palsy
11. Write a note on PT management of idiopathic bell's palsy
12. Importance of non – equilibrium coordination tests
13. Higher mental functions
14. Explain about management of balance in stroke
15. Write about spinal reflexes

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

16. Describe gower's sign
17. Functions of fifth cranial nerve
18. Tremors
19. Splints for hand
20. Coup – counter coup injury
21. APGAR Score
22. Hand to knee gait
23. Clinical uses of straight leg rising
24. Upper limb tension test 3
25. Clinical features of lower motor neuron lesion

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2172_2011_1_S124

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Feb/March 2011

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 phases of cardiac Rehabilitations. Discuss phase-I cardiac rehabilitation in detail
2. Explain the post natal training for 25 year old following full term normal delivery
3. What are the indications for physiotherapy management following Abdominal surgeries? Describe in detail the physiotherapy management for the same
4. Explain in detail P.T Management following lobectomy for a patient diagnosed with carcinoma of the lung
5. Explain in detail the criteria for weaning off the ventilator. Add a note on the modes of ventilations

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

6. Define hernia. Explain the P.T. Management following herniography
7. Explain the various musculoskeletal changes occurring during pregnancy
8. Mention the various post-operative complications & benefit. Explain the precautionary measures for it
9. Define stress incontinence. Discuss the P T Management for the same
10. Explain the P.T. Management for a patient with right sided pnemothorax
11. What are the grades of uterus prolapse give a P.T. Management for a grade- I uterus prolapse?
12. Explain the role of physiotherapy for a 30 year old female with left sided mastectomy
13. Explain the various incision used on the chest wall & name the muscles incided in these incisions
14. Give a P.T. Management following Rt. Side pneumonectomy
15. Explain the various grading of Dysponea

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

16. What is pulse oximetry?
17. What is Active cycles of breathing Techniques?
18. Bucket Handle movement
19. Causes of pleural effusion
20. Any two differences between obstructive lung diseases & restrictive lung disease
21. Define Homan's sign
22. Define broncho-pleural fistula
23. Differentiate between CPAP BIPAP
24. Intercostals Drainage
25. Mention any 4 complications of Pregnancy

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2173_2011_1_S122

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Feb/March 2011

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

COMMUNITY BASED REHABILITATION
(OS, RS & RS2)

Q.P. CODE: 2173

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

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

1. Define CBR. Role of agencies in CBR
2. Define disability. Discuss about disability evaluation
3. Write in detail about rehabilitation program for a group of ten elderly people living in old age home in an urban setup

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

4. UNICEF
5. Define survey and give its importance
6. Architectural Barriers in public places
7. Home exercise program for hemiplegia
8. Principles of Cardiac exercise prescription in elderly
9. Role of N.G.O in CBR
10. Mobile units
11. Benefits for disabled in India
12. Epidemiology
13. Objectives of physiotherapy evaluation in community

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

14. Health communication
15. National AIDS control program
16. Role of social worker (4 Roles)
17. Two philanthropic organizations working in India
18. Role of family in CBR
19. Disability evaluation of amputee
20. Psychological problems of old age
21. Four hurdles in CBR
22. Day care centre
23. Four roles of community leader in CBR

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2174_2011_1_S102

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Feb/March 2011

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 obesity. Explain in detail the role of diet and exercise in the management of obesity
2. What are stressors? List the different types of stressors and explain in detail the steps that can be taken to combat stress
3. Classify fitness. List the components of fitness. Explain in detail the importance of the each of the fitness components essential for an athlete

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

4. What is "Qi" or "Chi"? List the meridians in our body according to the principles of acupuncture
5. Describe in brief the eight stages of yoga
6. List the different anthropometric measures used to determine the body composition. Explain in brief any one of the methods
7. Write a note on pre-competition meal
8. Explain in brief the neuromuscular adaptations that occur following aerobic training
9. Write a brief note on the principles of training
10. What is chromotherapy? Briefly outline its physiological and therapeutic effects
11. Explain in brief the role of a physiotherapist as a member of the sports medicine team
12. Classify sports injuries bases on the structures involved. Write a note on overuse injuries seen in athletes
13. Outline the indications and contra-indications for magneto-therapy

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

14. What is low carbohydrate diet?
15. Mention any four effects of Suryanamaskar
16. What is moxibustion?
17. List any four uses of warm-up
18. What is oxygen debt/
19. List any four sites where skin fold thickness is measured to calculate percentage body fat
20. List the phases of pranayama
21. List the four absolute contra-indications to exercise testing
22. Distinguish between hypertrophy and hyperplasia
23. Mention two advantages and ill-effects of caffeine

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2720_2011_1_S183

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth year B.P.T. Degree Examination - Feb/March 2011

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 a physiotherapy management for gaining head control for 2 year old child with spastic cerebral palsy.
2. Write in detail about spinal stenosis and physiotherapy management for the same.
3. Write in detail about clinical features and physiotherapy management for Parkinson's patient.

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

4. Examination of Developmental reflexes.
5. Physiotherapy Management for trunkal ataxia
6. Asia scale and its application.
7. Explain Berg Balance scale.
8. Importance of Cerebro Spinal Fluid examination.
9. Physiotherapy management for children with autism.
10. ICU management in head injured patient
11. Physiotherapy Management for Erbs palsy.
12. Explain the treatment principles and techniques in NDT.
13. Explain Yoga therapy in Neurological conditions
14. Clinical feature of Ataxic Cerebral Palsy.
15. Types of brain tumor and features.
16. Clinical features of musculo cutaneous nerve palsy.
17. Phrenic nerve lesion and management.

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

18. Clinical features of down's syndrome
19. Significance of Romberg sign
20. Explain chorea
21. Reflex grading
22. Kernig's sign
23. Define spinal reflex
24. Explain homonymous hemianopia
25. Principles in proprioceptice neuro muscular facilitation technique
26. Ape thumb deformity
27. Clinical feature of pudendal nerve palsy

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2721_2011_1_S182

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth year B.P.T. Degree Examination – Feb/March 2011

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. Explain the modes of interventions in the natural history of disease
2. What is screening. Explain the uses and types of screening
3. Explain the role of cultural factors in health and disease

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

4. Integrated Child development services
5. Differences between isolation and quarantine
6. Risk factors for hypertension
7. Prevention of road traffic accidents
8. Incidence and prevalence
9. Disaster preparedness
10. Prevention of Hepatitis B
11. Medical measures to prevent occupational diseases
12. Effects of noise pollution
13. Sources of hospital wastes

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

14. Prevention of iron deficiency anemia
15. Accredited Social Health Activist (ASHA)
16. Sanitation barrier
17. Screening methods of breast cancer
18. Cardinal features of Leprosy
19. Oral rehydration therapy
20. Avoidable blindness
21. Complications of Diabetes
22. Street and fixed virus
23. Window period in HIV

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2722_2011_1_S182

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination - Feb/March 2011

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 architectural barriers. How do you plan a barrier free environment for a 25 year wheel chair bound paraplegic patient?
2. Define ageing. Classify ageing. Describe in detail the changes in Musculoskeletal and nervous system with ageing.
3. Define work related musculoskeletal disorders. Explain the conceptual framework of development work related musculoskeletal disorders in vehicle drives.

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

4. Define CBR. Describe approaches in CBR.
5. Short note on advantage / disadvantages of CBR.
6. What is PWD act? Brief out any two chapters of PWD act.
7. Differentiate work hardening from work conditioning.
8. Explain three tiers of health care delivery system.
9. Brief out ICF
10. Parameters & components of CBR program evaluation.
11. Define the vocational rehabilitation. What are the factors to be considered in the vocational training?
12. Mention the guidelines and procedure in amputation disability evaluation.
13. Explain the energy conservation techniques in GBS patient in the community set up
14. Preventive measures for low back ache in loading and unloading of 20 kgs of goods.
15. Management of urinary incontinence in elderly patient.
16. Explain the factors determining in prescribing assistive device for a 12 year spastic CP patient.
17. Classify the occupational hazards. Explain role of environment the occupational section

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

18. Define ergonomics.
19. Draw a flow chart on natural history of any disability.
20. Mention any four problems in implementing and monitoring the legislation for disabled person.
21. Differentiate IBR from CBR.
22. Define handicap.
23. Ergonomically designed workstation for a computer user.
24. What are the four uses of primary health centers in CBR?
25. Mention any four rationales for the necessity of exercise in sedentary lifestyle population.
26. Mention the community entry strategies.
27. Mention any two benefits for visually handicapped in India.

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2723_2011_1_S223

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth year B.P.T. Degree Examination - Feb/March 2011

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

NEUROLOGY & NEUROSURGERY

(RS - 3 & RS - 4)

Q.P. CODE: 2723 & 2724

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

Use separate answer books for section A and section B

Q.P. Code: 2723 – Section 'A' - Neurology (40 Marks)

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

1. Define stroke? Discuss in detail about clinical feature diagnosis complication and management
2. Discuss various etiology and clinical feature of Grosso pharyngeal neuralgia.

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

3. Write brief note on tests of vestibular function
4. Hemi facial spesm
5. Vertigo
6. Write short note on lacunarx infarct
7. Write short note on Ballism

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

8. Neuromyotonia
9. Brucellosis
10. Metabolic ataxia
11. Thoracic outlet syndrome
12. Dementia

Q.P. Code: 2724 – Section 'B' - Neurology (40 Marks)

Use separate answer book

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

1. Explain in detail about etiology, pathophysiology, classification, symptoms, medical & surgical management of meningitis
2. Define syringlomyelia & explain clinical signs & symptoms investigations medical & surgical management

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

3. Indications & complications of Hemilaminectomy
4. Indications & complications of clipping of aneurysm
5. Surgical management of Arnold chiari malformation
6. Medical & surgical management of spina bifida
7. Clinical diagnosis of sciatic nerve palsy

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

8. Pudendal nerve palsy
9. Alcohol toxicity
10. Metal toxicity
11. Rhizotomy
12. Craniotomy

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2720_2011_1_S202

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – Aug / Sep 2011

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 clinical features of transverse myelitis at T – 10 level, and explain physiotherapy for the same
2. Describe role of physiotherapy for infective poly neuropathy citing Hansen's disease as example
3. Describe Ranchos Los Amigos Scale and discuss its applications and appropriateness for a young adult with traumatic brain injury

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

4. Post – surgical physiotherapy in arterio venous malformations
5. Briefly describe central sensory perception. List perceptual disorders
6. List common deficits associated with post polio syndrome. Add a note on interventions for the same
7. Exercise prescription for Gullian Barre syndrome in recovery stage
8. Management of postural disturbance in athetoid cerebral palsy
9. Assessment of sensory dysfunction associated with tabes dorsalis
10. Role of electrotherapy following surgical repair of median nerve injury at proximal arm
11. Differential diagnosis in muscular dystrophy
12. Indications for Hold relax technique in neurorehabilitation
13. Rationale and principles underlying constraint induced movement therapy
14. Abnormal gait in cerebral palsy
15. Orthotic appliances for spinabifida
16. P T management for foot drope
17. Functions grades in multiple sclerosis

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

18. Investigation findings in Eaton Lambert syndrome
19. Hemiballismus
20. Long thoracic nerve palsy
21. Bladder dysfunction in t-6 level complete spinal cord injury
22. Autonomic dysreflexia
23. Vojta's axillary suspension reaction
27. Pathophysiology in diabetic neuropathy
25. Horner's syndrome
26. Midline orientation in neurodevelopmental screening
27. Clinical feature of weber syndrome

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2721_2011_I_S183

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – Aug / Sep 2011

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. Explain the methods of health education to a group
2. What are occupational diseases? Classify them
3. What is a cohort? Write the difference between case control and cohort studies

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

4. Levels of prevention
5. Uses of screening
6. Stages in a demographic cycle
7. Color codes used in hospital waste management
8. Measures to prevent maternal mortality
9. Risk factors of hypertension
10. Advantages and disadvantages of Copper-T
11. Mosquito control measures
12. Medical benefits under E.S.I. Act
13. Health hazards of air pollution

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

14. Types of rehabilitation
15. Man-made disasters
16. Personal protective devices in occupational health
17. Self care in diabetes mellitus
18. Nutritive value of green leafy vegetables
19. Pandemics
20. Advantages of oral polio vaccine
21. Mortality indicators
22. Colostrum
23. Balanced diet

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2722_2011_1_S186

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination - Aug / Sep 2011

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 Community Based Rehabilitation and write the difference between Institution based and Community Based Rehabilitation **(2+8)**
2. Define Geriatrics write in detail about changes occurring in Musculoskeletal system **(2+8)**
3. Define screening write about early detection of high risk babies & Importance of early detection

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

4. Immunization programmes
5. Write present rehabilitation services
6. Role of Physiotherapy in post polio residual paralysis
7. Strategies to improve ADL (Activities of daily living)
8. Role of Physiotherapy in hospital based care in Geriatrics
9. Explain biological hazards in relation to industrial health
10. Role of Physiotherapy in Duchene Muscular Dystrophy (DMD)
11. Explain Wheel Chair parts
12. Write about home for aged
13. What are international Health organization?
14. Primary health centre
15. Ergonomic advise for pregnant women
16. Anganwadi worker
17. Role of physiotherapy in Asthma

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

18. Define mental retardation
19. Two importances of extension services
20. Define incontinence
21. Four clinical features in Downs syndrome
22. Two functions of Non Governmental Organization (NGO)
23. Define Social work
24. Importance of community awareness
25. Definition of community
26. Define impairment
27. Functions of RED CROSS



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2723_2011_1_S181

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - Aug / Sep 2011

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

NEUROLOGY & NEUROSURGERY

(RS - 3 & RS - 4)

Q.P. CODE: 2723 & 2724

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

Use separate answer books for section A and section B

Q.P. Code: 2723 – Section 'A' - Neurology (40 Marks)

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

1. Define chronic Inflammatory Demylenating Neuropathy. Explain in detail about clinical features, medical management and add a note on Rehabilitation
2. Explain in detail about Intracerebral Haemorrhages with its causes, classification, clinical features and management

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

3. Write a short note on Myoclonic Dystrophy
4. Write a short note on Tetanus
5. Write a short note on Brown Sequard syndrome
6. Write briefly about the Subacute Combined Degeneration of Spinal cord
7. Write a short note on Spinal Muscular Atrophy

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

8. What is Bell's palsy?
9. Significance of Nerve Biopsy
10. Carpal Tunnel Syndrome
11. What is Stroke in Evolution?
12. What is Hemiballismus?

Q.P. Code: 2724 – Section 'B' - Neurosurgery (40 Marks)

Use separate answer book

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

1. Brian tumors. Classification, clinical features, investigation, surgical management
2. Head injury – classification, Extradual Hematoma – clinical features, investigation, management

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

3. Arnold Chari malformation – define
4. Clean intermittent catheterization
5. Brown Sequard syndrome
6. Haemorrhagic stroke – causes
7. Ventriculoperitoneal stunt (VP shunt) – Indications

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

8. Coup & Contracoup injury
9. Name two causes of Spontaneous Subarachoid haemorrhage
10. Bawer's sign
11. Craniotomy
12. Pituatary apoplexy

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56 6 2169_2011_1_S11

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – Aug / Sep 2011

me: 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

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

1. Explain PT management for a 15 year old girl treated for side swipe injury at elbow
2. How do you manage a 40-year-old primary school teacher undergone surgical treatment for recurrent dislocation of shoulder?
3. A bilateral OA knee patient undergone total knee replacement of left side. What is your management?
4. Explain your assessment and management for a 21 year old female dancer diagnosed with L4-L5 disc prolapse (posterolateral)
5. Explain your management for a patient treated with excisional arthroplasty.

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

6. Indication and management of patelectomy
7. What is a vascular necrosis? How do you manage a patient with AVN of left side?
8. Complications and management of Olecronon fracture
9. Auxiliary crutch measurements and crutch muscle training
10. What is your plan for impacted fracture neck of humerus?
11. Physiotherapy for Borton's fracture
12. Assessment of rotator cuff lesion
13. Halluxvalgus
14. Write down the indications and management for dynamic hip screw

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

15. Osteotomy
16. Define Gait
17. Perthes disease
18. Compound fracture
19. Tarsal tunnel syndrome
20. Sacralization
21. Rickets
22. Chondromalacia patella
23. Vastus medialis
24. Klippel-Feil syndrome



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2170_2011_1_S223

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug / Sep 2011

me: 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

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

1. Describe in detail the physiotherapy techniques to describe the work of breathing
2. Discuss in detail the physiotherapy management of a 50 year old school teacher diagnosed to have osteoarthritis of both her knees
3. Explain in detail the clinical examination procedures you would perform on a 40 year old male with bronchial asthma since 10 years
4. Define ' Broncho – pulmonary segment' draw a neat labeled diagram of the broncho – pulmonary segments of both lungs. Explain in brief the postural drainage techniques to treat the segments of the left lower lobe
5. Assessment findings in peripheral arterial disease versus venous deficiency – compare and contrast

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

6. Outline in brief the bronchial clearance technique used in infants
7. Write a note on the role of exercise in the management of hypertension
8. List all the absolute an relative contra – indications of exercise stress testing
9. Write a note on the physiotherapy management of psoriasis
10. Write a short note on 'Forced Expiraory Techniques'
11. Explain in brief the breathing exrcises you would prescribe for a patient with restrictive lung disease
12. Outline the physiotherapy management for buerger's disease
13. List the types of pneumothorax. Outline in brief the physiotherapy management for pneumothorax
14. List the clinical diagnostic criteria for rehematoid arthritis. Write a brief note on the energy conservation methods for a patient with rheumatoid arthritis
15. Describe the six minute walk test

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

16. What is a lucoderma
17. What is CPAP? List any two of its uses
18. List any 4 uses of Humidification
19. What is a gangrene
20. What is respiratory alkalosis
21. List any 4 hallmark features seen in rickets
22. List any 4 contra – indications for chest percussions
23. List the types of ulcers
24. Define forced vital capacity
25. List any contributing factors for deep vein thrombosis

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2171_2011_1_S222

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug / Sep 2011

ime: 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

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

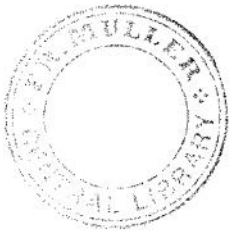
1. List the causes of 7th cranial nerval palsy. Write about the clinical features, assessment, PT management of 18 year old female with 7th cranial nerve palsy
2. Define cerebral palsy and mention its types. Write about assessment and management of 12 year old male with spastic diplegic cerebral palsy
3. Enumerate tests for cerebellar disorder and write about PT management of cerebellar ataxia.
4. What is parkinsonism? Write about the clinical features, assessment and PT management of 72 year old male with parkinsonism for 8 year
5. Write the assessment and management of left posterior cerebral artery stroke giving importance to gait rehabilitation

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

6. PT management of sciatica
7. Principles of proprioceptive neuromuscular facilitation
8. Define ATNR and STNR
9. Write about the use of Ice therapy in the management of muscle tone
10. PT management of decubitus ulcer in complete T4 spinal cord injury
11. Write about assessment of ulnar nerve palsy
12. Write about management of automatic bladder
13. Explain about the management of duchenne muscular dystrophy
14. PT management of alcohol neuropathy
15. Write a note on development disorders

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

16. Finger agnosia
17. Synergy
18. Rigidity
19. Any four clinical features of Myasthenia gravis
20. Uses of rolling in neuro rehabilitation
21. Erb's point
22. What is romberg's test
23. Myotomes
24. Brown sequard syndrome
25. Global aphasia



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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug / Sep 2011

me: 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

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

1. Write down principles of tendon transfer. Describe PT Management following tendon transfer for a foot drop
2. Identify the different incisions used for cardiac surgeries & explain post-operative PT Management following mitral value replacement
3. Role of importance of group therapy in antenatal & postnatal programmes
4. Draw a diagram of skin layers. Describe degrees of burns & role of P.T in scar management
5. List Indications & contraindications for CABG. Write down the pre-operative & post –operative physiotherapy management for the same

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

6. Write a note on wearing from ventilators
7. P.T Management of Diastasis rectii
8. Describe PT Management for a patient with post residual paralysis
9. Pre-operative physiotherapy Management inlobectomy
10. What are the indications for hemiectomy & Write in brief about the P.T Mangemetn for the same?
11. P.T. Management for nephrectomy
12. Describe signs & symptoms of inhabilation injury & its management
13. P.T Management of a patient, who has had midline stemotomy, to prevent pain & to enhance chest wall compliance
14. Define humidification & its types. Explain the procedure & complication
15. P.T Management of Cholecystectomy

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

16. Mention the congenital abnormalities of the heart
17. Incisions for 'C' section
18. What is adenoids?
19. What is wolfe's graft?
20. Diabetic ulcer
21. Causes of pnuemothorax
22. Episiotomy
23. Types of nebulisers & its applications
24. Homan's sign & its importance
25. Grades of dyspnoea

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug / Sep 2011

ime: 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 primary health centers and their role in rural rehabilitation
2. Describe various methods of conducting survey in rural India to identify people with disability
3. Objectives of vocational evaluation and rehabilitation

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

4. Architectural barriers in public places
5. Role of community workers in early detection of developmental in children
6. Screening rural area for gynecological disorders in women
7. Importance of parental counseling
8. Enumerate the functions of Regional Rehabilitation Training Centers (R R T C)
9. Cross sectional population surveys
10. Cohort study
11. What is the physiotherapist's role in education of children with disabilities indentified following a survey?
12. Rural housing
13. Natural family planning methods

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

14. Define Independent Variable
15. Mention two government schemes to help the disabled
16. Define base line data
17. Define Handicap
18. Explain importance of team approach
19. Role of placement officer
20. Way of preventing ulcers in an anaesthetic hand
21. What is ply therapy?
22. Name the CBR team members
23. Two tasks of Anganawadi workers

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Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – Aug / Sep 2011

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 "motor skill related physical fitness". Mention their importance for an athlete
2. What is pranayama? Write in detail the various asanas and its physiological benefits
3. Define body composition. Describe the different methods of body composition analysis

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

4. Outline the physiological and therapeutic effects of magneto – therapy
5. William's classification of sports injuries
6. Dangers of strength training in child athlete
7. Explain relomation techniques in stress management
8. Blood doping, its procedure, advantages and disadvantages
9. Use of diagnostic ultrasound as an investigative procedure in tendon injuries
10. Assessment of co – ordination and exercises for the same
11. Mention about open and closed chain exercises and its importance
12. Describe the terms hypertrophy and hyperplasia. Benefits of weight training in body builders
13. Explain about yin and yan

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

14. Hazards of anabolic steroids – any two
15. Two uses of "cool down"
16. Stages of soft tissue healing – only mention
17. Name the components of aerobic system
18. List the types of diet commonly practiced in order to reduce one's body weight
19. What is positive and negative stress
20. Shuttle test for agility
21. Give two uses of magnet
22. Mention two effects of sauna bath
23. Grades of strain

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