Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T Degree Examination – MAR/APRIL 2017

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. Classify Rotator cuff lesions of shoulder. Its clinical features and explain in detail physiotherapy management following supraspinatus tendinitis.
2. Define Lumbar spondylosis. Its clinical features, radiological features. Discuss in detail about its PT assessment and management.
3. Define osteoarthritis, its clinical features and explain in detail about PT management of sub-acute stage of arthritis.
4. Pre and post-operative assessment following osteotomy
5. Define mobilization, its grading. Mention in detail about PT management following post traumatic stiffness of knee joint.

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

6. Tennis Elbow
7. Subacromial bursitis and its PT management
8. Principles of fracture management
9. Fracture lateral 1/3 of clavicle
10. Orthotic management for CTEV
11. Plantar Fasciitis
12. Diagnostic testing of Meniscal injuries of Knee
13. PT management following Frozen shoulder
14. Explain the deformities of Rheumatoid Arthritis.

SHORT ANSWERS 10 x 2 = 20 Marks

15. Retro Calcaneal Bursitis
16. Dupuytrenes contracture
17. Scaphoid cast
18. Thoracic outlet syndrome
19. Precautions following Total Hip Arthroplasty
20. Soft tissue releases in cerebral palsy
21. March fracture
22. Splints used in CTEV and CDH
23. Complex regional pain syndrome
24. Empty can test

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – APRIL 2017

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. Define stroke. Write about clinical features, assessment and PT management of T.I.A.
2. Explain festinating gait and its management.
3. Write about types of cerebral palsy and assessment and management of Athetoid cerebral palsy.
4. Write about clinical features, assessment and PT management of MND.
5. Write about causes, clinical features, assessment and PT management of Bell's palsy.

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

6. Assessment of Hypertonicity
7. PT management of I.V.D.P
8. Body image disorders
9. Yoga in Neurological conditions
10. Assessment of higher mental functions
11. Write a note on psychiatric disorders
12. Principles of Rood's approach
13. Orthotic appliances in polio
14. Uses of Mat exercises
15. Assessment and management of Diabetic foot

SHORT ANSWERS 10 x 2 = 20 Marks

16. Ataxia
17. Vertical disorientation
18. Signs of meningitis
19. Assessment of optic nerve
20. Cortical sensations
21. Micrographia
22. Ape thumb deformity
23. ULTT1
24. Sunset sign
25. APGAR score

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – MAR/APR 2017

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. Define cerebral palsy. Explain the causes, classification and clinical features of cerebral palsy. Write a note on the management of Spastic cerebral palsy.
2. Explain the assessment and physiotherapy management of a 35 year old man with head injury in the ICU.
3. Explain the assessment and physiotherapy management of a 19 year old girl with multiple sclerosis duration of 12 months.

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

4. Write a note on any two neuro-pathological gaits.
5. Explain the assessment and management of Phrenic nerve palsy.
6. Explain the principles of neuro developmental therapy.
7. Write a note on the post-operative assessment and management of a patient with brain tumour.
8. Explain the assessment and management of a 10 year old girl with L3 level spina bifida.
9. Explain Glasgow coma scale and its importance
10. Define spasticity and add a note on modified Ashworth scale.
11. Define co-ordination. Write a note on the physiotherapy management of in-coordination.
12. Define yoga. Explain any three asanas with their benefits.
13. Explain the assessment and physiotherapy management of median nerve palsy.
14. Write the assessment and physiotherapy management of a patient with Hydrocephalus.
15. Explain APGAR score and its importance.
16. Discuss the physiotherapy management of a 75 year old woman with Parkinson's disease.
17. Explain the assessment and physiotherapy management of a 40 year old woman with left hemilateral neglect.

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

18. Mention any four uses of EMG biofeedback.
19. Myopathic gait
20. Slump test
21. Hemiballismus
22. Arnold Chiari malformation
23. Bell's phenomenon
24. Ulnar paradox
25. Define perception.
26. ATNR and STNR
27. Sun set sign

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – APRIL 2017

Time: Three Hours | Max. Marks: 80 Marks

COMMUNITY MEDICINE

(RS-3 & RS-4)

Q.P. CODE: 2721

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

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

1. Define epidemiology. Mention its uses. Describe the steps involved in cohort studies.
2. Enumerate the national health programmes. Explain national leprosy eradication programme.
3. Define Maternal Mortality rate. Write in brief preventive and social measures to reduce the same.

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

4. Monitoring and surveillance
5. Health problems of the aged
6. Bias in case control studies
7. Integrated vector control measures
8. Stages of demographic cycle
9. Functions of World Health Organization
10. Prevention and control of air pollution
11. Human development Index
12. Types of epidemics
13. National Immunization schedule

SHORT ANSWERS 10 x 2 = 20 Marks

14. Measles vaccine
15. Mention 4 approaches to health education.
16. Mention 4 functions of family.
17. Mention 4 functions of Vitamin A.
18. Diagram of disaster cycle
19. Mention 4 methods of household purification of water.
20. Mention 4 types of artificial ventilation.
21. Ideal IUD candidate
22. Mention 4 methods for reducing sickness absenteeism.
23. Mention 4 social problems in India.

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – APRIL 2017

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. Explain CBR and community development.
2. Explain the planning and management of CBR programmes.
3. Define disability handicap and impairment. Explain types and prevention of disability.

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

4. Difference between CBR and IBR
5. Role of PT in different levels of health care system
6. Explain quantitative versus qualitative data in disability evaluation.
7. Role of social worker in Rehabilitation
8. Strategies to improve ADL
9. Rehabilitation of CP
10. Explain maternal nutrition and education.
11. Explain need of vocational training and Rehabilitation.
12. Role of PT in half way homes
13. Explain degenerative changes in musculoskeletal system.
14. Ethics of geriatric Rehabilitation
15. Brief note on physical agents in occupational hazards.
16. Explain ergonomic evaluation of work place.
17 Brief note on biological hazards.

SHORT ANSWERS 10 x 2 = 20 Marks

18. PHC
19. ILO
20. Define Aging.
21. Iatrogenic drugs
22. ASHA
23. Pilot Survey
24. Regional Training Centre
25. Define Screening.
26. Fatigue

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - MAR/APR 2017

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. Define motor neuron disease. Explain classification, clinical features and management.
2. Define stroke? Explain its classifications and management of hemorrhagic stroke.

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

3. Write a note on examination of Occulomotor nerve.
4. What are the clinical features of muscular dystrophy?
5. Define Bell's palsy. What are the causes & clinical features of bell's palsy?
6. Write a note on causes and management of encephalitis.
7. Write about clinical features of autism.

SHORT ANSWERS 5 x 2 = 10 Marks

8. Trigeminal neuralgia
9. Define vertigo.
10. What is Babinski sign?
11. Carpel tunnel syndrome
12. What is dementia?

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - MAR/APR 2017

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. Classify brain tumours. Explain clinical features, investigation and management.
2. Define hydrocephalus. Explain clinical features, investigation and management.

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

3. Explain Neurogenic bladder and management
4. Surgical management of lumbar disc prolapse
5. Management of septic encephalopathy
6. Explain indications of laminectomy
7. Spasticity and its management

SHORT ANSWERS 5 x 2 = 10 Marks

8. What is Erb's palsy?
9. Indications for lumbar puncture
10. Ptosis
11. Glasgow coma scale
12. Indications of rhizotomy

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Rajiv Gandhi University of Health Sciences, Karnataka

Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – SEPT 2017

Time: Three Hours | Max. Marks: 100 Marks

PHYSIOTHERAPY IN NEUROLOGY & NEUROSURGERY (OS, RS & RS2)

Q.P. CODE: 2171

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

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

1. Explain the physiotherapy management of a 55 year old man with left hemispheric stroke duration of 1 month.
2. Plan the physiotherapy management for a 18 year old girl with multiple sclerosis duration of 1 year.
3. Define Perception. Classify perceptual disorders. Discuss the physiotherapy management for any four perceptual disorders.
4. Discuss the assessment and physiotherapy management for a 7 year old boy with Duchennes Muscular Dystrophy.
5. Explain the clinical features and physiotherapy management for a 72 year old male patient with Parkinson's disease duration of 2 years.

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

6. Plan the physiotherapy management of a patient with Poliomyelitis in his recovery stage.
7. Explain the physiotherapy management of Hemiplegic Gait in detail.
8. Explain the physiotherapy management of a patient with foot drop.
9. Explain Glasgow Coma Scale and its importance.
10. Explain the physiotherapy management of a 6 year old child with Down's syndrome.
11. Explain the physiotherapy management for Cerebellar Ataxia.
12. Explain the facilitatory and inhibitory techniques used in Rood's approach.
13. What is Spina bifida? Classify Spina bifida. List out the clinical features.
14. Explain functional re-education of a patient with Paraplegia.
15. Explain the APGAR Score and its importance in Paediatric Rehabilitation.

SHORT ANSWERS 10 x 2 = 20 Marks

16. Dysdiadokinesia
17. Trendelenberg gait
18. Define Agnosia.
19. Nystagmus
20. Classification of Cerebral Palsy
21. Uses of EMG Biofeedback
22. Ulnar claw hand
23. Gower's sign
24. Clinical features of UMN lesion
25. Scissoring gait

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – SEP-2017

Time: Three Hours Max. Marks: 100 M

NEURO PHYSIOTHERAPY -(RS–3 & RS-4)
Q.P. CODE: 2720

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

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

1. Define Cerebral palsy. Write in detail about assessment and management of 2 year old spastic diplegic Cerebral Palsy.
2. Write classification of spina bifida. Write about physiotherapy management of a one year old child who was operated for myelomeningocoele at L-2,3 spinal level.
3. Enumerate the Neuro Physiological techniques. Explain any one in detail about the principles and effects.

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

4. Write about spinal reflexes.
5. PT management of acute median nerve palsy
6. Discuss associate problems in cerebral palsy
7. Management for hemiplegic shoulder
8. Explain the PT management of Duchene's muscular dystrophy.
9. Explain the PT management of sensory ataxia.
10. Importance of early identification of risk babies
11. Gait training in Parkinson's disease
12. Eaton-Lambert myasthenic syndrome
13. Explain in brief sensory examination in neurological conditions.
14. Discuss developmental milestone for one year old.
15. Classify head injury based on RLA scale.
16. Classification and clinical features of Motor Neuron Disease.
17. Functional assessment in Neurological conditions

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

18. Sunderland's classification of nerve injury
19. Festination Gait
20. Char cot's triad
21. ASIA scale
22. Dystrophin
23. Dysdiadochokinesia
24. Any 4 differences between spasticity and rigidity
25. Any four clinical features of brain tumor

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – SEP-2017

Time: Three Hours Max. Marks: 80 Marks

COMMUNITY MEDICINE (RS-3 & RS-4)

Q.P. CODE: 2721

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

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

1. Define epidemiology. Mention the principles of epidemiology. Describe various epidemiological studies.
2. Define health. Explain dimension and indicators of health.
3. Describe various health programmes. Explain national tuberculosis programme.

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

4. Community nutrition programmes
5. Screening for cancers
6. Disaster management
7. World health organization
8. Pulse polio immunization
9. Causes of maternal mortality
10. National family welfare programme
11. Models of health education
12. Sources of hospital waste
13. Postnatal care

SHORT ANSWERS 10 x 2 = 20 Marks

14. Complication of hypertension
15. Child abuse
16. Vitamin A prophylaxis
17. Prevention of iron deficiency anemia
18. Street and fixed virus
19. Nosocomial infection
20. National policy programme
21. Window period in HIV
22. Incineration
23. Classification of food

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Rajiv Gandhi University of Health Sciences, Karnataka

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – SEPT 2017

Time: Three Hours Max. Marks: 100 Marks

COMMUNITY BASEDREHABILITATION (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 20 = 20 Marks

1. Define community based rehabilitation? How isCBR different from institution based rehabilitation? Describe the various models of CBR
2. Define aging? Describe in detail the changes occurring in various musculoskeletal and cardio respiratory system during aging? What is the role of physiotherapist in geriatric rehabilitation.
3. What is Ergonomics? Explain in detail the industrial accidents due to physical agents and role of physiotherapist in the industrial set – up?

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

4. Role of multipurpose Rehabilitation worker (MRW) in CBR
5. Explain in detail about the principles of CBR
6. Define impairment and Disability with 2 examples for each
7. Discuss the changes in the Nervous system due to aging
8. Define is genetic counseling? What are the indications for genetic counseling
9. Define urinary incontinence? Role of physiotherapy in management of urinary incontinence
10. Discuss the role of social worker in Rehabilitation
11. Explain the need of early detection in high risk infants
12. Discuss vocational Rehabilitation. Write a short note on the steps involved during vocational assessment for people with disability.
13. Role of physiotherapist in CBR
14. Functions of district disability rehabilitation centers
15. CBR geriatric rehabilitation
16. National immunization programmes
17. Discuss the functions of Red Cross organization in CBR

SHORT ANSWERS 10 x 2 = 20 Marks

18. Functions of Anganwadi workers
19. Drawbacks of CBR
20. Define community
21. World health organization’s role in CBR
22. Home programme for a patient with Alzheimer’s disease
23. Meals on wheels
24. Write a short note on Disability in down’s syndrome
25. Functions of Primary Health Centre
26. Deformities seen in cerebral palsy
27. Define social work

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - SEP-2017

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. What are muscular dystrophies? Write in detail about clinical features and management of Duchenne muscular dystrophy.
2. Define Guillian-Barre syndrome. Explain pathophysiology and management of the same.

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

3. Explain clinical features of cerebellar ataxia.
4. Discuss various types of motor neuron disease.
5. Write a note on Tetanus.
6. Syringomyelia and its clinical features
7. Transverse myelitis & its clinical features

SHORT ANSWERS 5 x 2 = 10 Marks

8. Transient ischemic attack
9. Foot drop
10. Difference between spasticity and rigidity
11. Dysarthria
12. What is spinal shock?

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - SEP-2017

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. Define hydrocephalus, its clinical features and management.
2. What is Craniotomy? Write about its indications and complications.

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

3. Surgical management in cerebral palsy and its importance
4. Types of spinal tumors
5. Deep brain stimulation
6. Importance of neural implantation
7. Coma and its management

SHORT ANSWERS 5 x 2 = 10 Marks

8. Uses of MRI
9. Hemi Laminectomy
10. Stereotactic surgery
11. Burr Hole surgery
12. Cranioplasty

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