# Rajiv Gandhi University of Health Sciences, Karnataka

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

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. Describe the management and treatment for ischemic heart diseases.
2. Discuss Epilepsy under types, diagnosis and treatment
3. Describe the types, pathogenesis, clinical features and management of Pleural effusion

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

4. Peptic ulcer disease
5. Bronchiectasis
6. Pericarditis
7. Psoriasis
8. Write short notes on HIV
9. Cholecystitis
10. Hemophilia
11. Stages & Management of OP poisoning
12. Schizophrenia – Symptoms and management
13. Buerger's disease

SHORT ANSWERS 10 x 2 = 20 Marks

14. Rheumatic Fever Prophylaxis
15. Define Chronic Bronchitis.
16. Causes of GI bleeding
17. Acute complications of diabetes mellitus
18. Cardiac arrest
19. Cyanosis
20. Respiratory failure
21. Causes of dyspepsia
22. Four causes of developmental delay
23. Mention 2 adverse effects of alcohol consumption

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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. Enumerate the Peripheral vascular disorders. Explain any two in detail.
2. What is CABG? Describe the procedure in brief. Indication and contraindication for the procedure.
3. Define Thoracotomy. Write a note on indication. What are the incisions used explain any one in detail.

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

4. Episiotomy
5. Coronary artery diseases and its management
6. Drainage tubes
7. Prolapsed rectum
8. Otitis Media
9. Fallot's Tetrology
10. Glaucoma
11. Phases of wound healing
12. Split skin graft
13. ABC of resuscitation

SHORT ANSWERS 10 x 2 = 20 Marks

14. Buerger's disease
15. Hernia – types
16. RSD
17. Name 2 sexually transmitted diseases
18. Causes of haematuria
19. Causes of hyper pigmentation
20. Hysterectomy
21. Aneurysm
22. Colostomy – types
23. Oral hydration therapy

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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. Classify fractures. Describe causes, clinical features, complications and management of compound fracture of tibia.
2. Classify bone tumours. Describe clinical features, investigations, management of osteosarcoma.
3. Describe clinical features, investigations, differential diagnosis and management of Rheumatoid arthritis.

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

4. Volkmann's ischemic contractures.
5. Trigger finger.
6. Acute osteomyelitis.
7. Green stick fracture.
8. Osteogenesis imperfecta.
9. Clinical features of tuberculosis of knee joint.
10. Monteggia fracture dislocation.
11. Trimalleolar fracture.
12. Stress fracture.
13. Neuropraxia.

SHORT ANSWERS 10 x 2 = 20 Marks

14. Name clinical signs of fracture.
15. Radiological features of chronic osteomyelitis.
16. Fracture of talus.
17. Below knee amputation.
18. Genu valgum.
19. De quervain's tenosynovitis.
20. Foot drop.
21. Avulsion fracture.
22. Flat foot.
23. Torticollis.

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# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination - APRIL 2017

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 Total Hip Arthroplasty and explain in detail about PT management for the same.
2. Classify flexor zones of hand and explain in detail about PT management following flexor tendon repair in zone II
3. A 55 year old male complaints of pain in Right knee joint and difficulty in performing ADL. Plan your PT assessment and management for the same.

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

4. Complex regional pain syndrome
5. Genu varum and Genu valgum
6. Slump test and its modifications
7. PT management following Dequervain's tenosynovitis
8. PT management following SLAP lesions
9. Explain in detail about components of Physical fitness
10. Tendo-Achilles rupture
11. Iliotibial band friction syndrome
12. Measurement of limb length discrepancy
13. Perthe's disease
14. Diagnostic testing of ligament injuries of knee joint
15. HKAFO
16. Quadriceps contusion
17. Spinal fractures and its classification

SHORT ANSWERS 10 x 2 = 20 Marks

18. Potts fracture
19. Radiological features of spondylolisthesis
20. Post polio syndrome
21. Trochanteric bursitis
22. Keinbock's disease
23. TFCC injury
24. Significance of Resisted Isometric testing
25. Define Tightness, Contracture and Deformity
26. Piriformis syndrome
27. Late complications of fracture

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# Rajiv Gandhi University of Health Sciences, Karnataka

## III Year B.P.T. Degree Examination - April 2017

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. Discuss the various physiotherapy techniques to clear lung secretions.
2. Classify Peripheral vascular disease. Describe the physiotherapy management for the same.
3. Define Pulmonary rehabilitation. Describe the pulmonary rehabilitation protocol for a patient diagnosed with COPD.

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

4. Various protocols used for exercise tolerance test
5. Musculoskeletal change during pregnancy
6. PT management for Right Pleural effusion with Intercostal drainage
7. Phase III cardiac rehabilitation
8. Role of physiotherapy for Neonates
9. Role of Physiotherapy following pneumonectomy
10. Analysis of Body composition
11. Pulmonary function test
12. Active assisted coughing technique
13. PT management for stress Incontinence
14. Nebulization
15. Role for physiotherapy for restrictive lung disorder
16. Exercise prescription for Hypertension
17. Relaxation techniques during acute exacerbation of bronchial asthma

SHORT ANSWERS 10 x 2 = 20 Marks

18. Four drugs to treat Bronchospasm
19. Define Dyspnea.
20. Ankle Brachial Index
21. Sustained Maximal Inspiration
22. Gangrene
23. What is VO2 Max?
24. Huff
25. Diastasis Pubis
26. Complications of suctioning
27. Metabolic Alkalosis

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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. Classify Obesity. Add a note on management in obesity.
2. Classify congenital heart diseases. Explain tetrology of fallot in detail.
3. Definition, types, etiology, pathogenesis, clinical features and management of Pneumonia

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

4. Cushing's syndrome
5. Pathophysiology of Atherosclerosis
6. Viral hepatitis
7. Define cyanosis. Mention its causes.
8. Clinical features and management of leprosy
9. Endocarditis
10. Define and classify anemia.
11. Management of syphilis
12. Blue boater and pink puffer
13. Schizophrenia

SHORT ANSWERS 10 x 2 = 20 Marks

14. MMR vaccine
15. Marasmus
16. Cardiac arrest – definition
17. Causes of GI bleeding
18. Define Lung abscess.
19. Problems of Low birth weight infants
20. Dementia
21. Types of dyspnoea
22. Name sexually transmitted diseases.
23. DVT prevention

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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. List out general postoperative complications and the management.
2. Write an essay on Abdominal incisions
3. What is incontinence? Mention the types, causes and management of stress incontinence.

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

4. Valvotomy and valve replacement
5. Factors affecting wound healing.
6. Hysterectomy
7. Menopause, its effects on musculoskeletal system
8. Skin grafts – types
9. Cholecystectomy
10. Utero vaginal prolapse – causes, types.
11. Buerger's disease
12. Otitis media
13. Pneumothorax and its surgical management

SHORT ANSWERS 10 x 2 = 20 Marks

14. Mention two differences between hypertrophic scar and keloid scar.
15. Raynauds phenomenon
16. Pneumonectomy
17. Tetrology of fallot – features.
18. Complications of blood transfusion
19. Wallace rule of nine
20. Define lung abscess
21. TNM classification of cancer
22. X-ray features of pleural effusions.
23. Glaucoma

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

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 is arthroplasty? Explain the types of arthroplasty. What are the indications, contraindications and complications of THR? Add a note on rehabilitation for the same.
2. What is ankylosing spondylitis. What are the causes, clinical features, investigations, complications and management of ankylosing spondylitis.
3. Define and classify cerebral palsy. Explain the clinical features, complications and management (medical and rehabilitation) of cerebral palsy.

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

4. Cervical rib
5. Monteggia fracture
6. Pilon fracture of ankle
7. Septic arthritis
8. Recurrent dislocation of patella
9. Slipped capital of femoral epiphysis
10. Meniscus injury of knee joint
11. Rickets
12. TB spine
13. Spinal canal stenosis

SHORT ANSWERS 10 x 2 = 20 Marks

14. Pathological fracture
15. Malignant bone tumour
16. Jones fracture
17. Classification of leprosy
18. Bankart's repair
19. Fat embolism
20. Deformities in Rheumatoid Arthritis
21. Internal fixators
22. Arthroscopy
23. Charcot joints

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# Rajiv Gandhi University of Health Sciences, Karnataka

## III Year B.P.T. Degree Examination - SEP-2017

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. Set down a detail plan of rehabilitation following L2 vertebral level fracture treated surgically with a spinal fixation device and presently in recovery phase, after one month.
2. Compile a physical therapy assessment and treatment aims and means for a 20 year old cricket pace bowler who sustained a rotator cuff partial tear which was treated conservatively with sling for 3 weeks.
3. Mention physical therapy assessment (with any 2 special tests) and treatment regime for a child of three months referred for further management following congenital dislocation of hip.

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

4. Define cervical brachialgia. Mention physical therapy objectives for the treatment.
5. What is the difference between true and functional limb length discrepancies? How is functional limb length measured?
6. Note down a home program including DO's and DON'T's for a 30 year old lady working as a receptionist, who sustained intervertebral disk prolapsed at L5-S1 level.
7. What is volkmann's ischemic contracture? Mention the physical therapy treatment for the same.
8. Gait deviations following TOTAL HIP REPLACEMENT
9. What is periarthritis shoulder? What are the rehabilitation principles of it?
10. Physical therapy Treatment protocol from day one following the injury, for a young female who sustained a grade 1 ACL injury at right knee.
11. Any three complications following amputation & Physical therapy treatment for the complications
12. What are the causes of genu recurvatum? Write about the physiotherapy management of genu recurvatum.
13. What are the indications for external fixators following a fracture? Mention briefly the physical therapy treatment for fracture middle shaft of femur, which is externally fixed.
14. What are the main musculoskeletal complications following leprosy? Write about the management of claw hand.
15. What are the main features of plantar fascitis? What are the main rehabilitation objectives of it?
16. Compile the assessment for medial epicondylitis along with the special test which aid in its diagnosis.
17. What are the special tests adopted for diagnosing meniscal injuries? Write in detail about one of the tests.

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SHORT ANSWERS 10 x 2 = 20 Marks

18. Loose packed position of a joint.
19. Cozens test
20. Dermatomes – define.
21. Lumbo sacral angle
22. Any 2 indications of osteotomy
23. Straight leg raising test
24. Pes planus – Any two causes.
25. 2 causes for patellar lateral dislocation.
26. Carpal tunnel syndrome
27. Centralization phenomenon

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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. Define pulmonary rehabilitation. Explain the goals, components, structure and benefits of pulmonary rehabilitation.
2. Discuss the physiotherapy management after CABG.
3. Enumerate the different techniques to reduce work of breathing. Add a note on management of a breathless patient.

SHORT ESSAYS (Answer any Twelve) 2 x 5 = 60 Marks

4. Physiotherapy management after Appendicectomy
5. Oxygen therapy delivery system
6. Physiotherapy management for ventilator dependent patient
7. Describe neurophysiological facilitation of respiration.
8. Humidification and nebulization
9. Physiotherapy management after right lower lobectomy
10. ACBT
11. Postural drainage
12. Incentive spirometer
13. Anatomical difference between adult and pediatric lungs
14. Fascilitation of coughing and huffing
15. Physiotherapy management after hand burn
16. Role of physiotherapy in stage of labour
17. Prophylactic and therapeutic effects of exercise in diabetes

SHORT ANSWERS 10 x 2 = 20 Marks

18. Arterial blood gas analysis
19. What is IPPB?
20. Define respiratory failure.
21. What is painful perineum?
22. Types of endotracheal tube
23. Rib springing
24. PEP

25. Tetrology of fallot
26. Any four factors affecting exercise performance
27. What is low level exercise testing?