Rajiv Gandhi University of Health Sciences

Third Year BPT Degree Examination – APRIL 2015

Time: 3 Hours [Max. Marks: 80]

Orthopaedics and Traumatology (RS2)

QP Code : 2163

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. Enlist various ligament injuries around knee joint and the special tests for identifying the instability in knee. Write in brief about surgical management of ACL tear.
2. Write classification of fractures with management in acute stage. Add a note on fracture healing stages with diagrams.
3. Discuss the etiology, clinical features and management of AVN femoral head.

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

4. Deformities in Rheumatoid Arthritis
5. Club foot
6. Legg – Calve' – Perthe's Disease
7. Lumbar spondylosis
8. Plantar Fascitis
9. Osteoarthritis Hip
10. Total Hip Arthroplasty
11. Brachial plexus injury
12. Complications of fracture
13. Cerebral palsy

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

14. Musician's hand
15. Pronated foot
16. Keinbock's disease
17. Q angle
18. Coxa vara and valga
19. Foot drop
20. Vertebral Fracture – classification
21. Orthosis – 4 functions
22. Empty can test
23. Ray Amputation

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (Physiotherapy) Degree Examination – APRIL 2015

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. Describe the clinical features of Bacterial corneal ulcer, its complications and management.
2. Describe the classifications of Burns, management of burns and its complications
3. Describe the types of hernia and its clinical features. Describe the management of incisional hernia and inguinal hernia

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

4. Otosclerosis
5. Classification of ulcers
6. Complication of duodenal ulcer & its management
7. Methods of birth control
8. Sterility – Investigations and Management
9. Tension pneumothorax
10. Cardio – Pulmonary resuscitation
11. Tracheostomy
12. Cardio – Pulmonary Bypass machine
13. Prolapse rectum

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

14. Lactation promoting drugs
15. Causes of Iritis
16. Contraceptive pills
17. Balloon angioplasty
18. Atrial septal defect
19. Pancoast's tumor
20. Rodent ulcer
21. Cataract
22. Thoracotomy
23. Mention Prenatal complications

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination – APRIL 2015

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 Hypertension. Add a note on clinical features and management.
2. Mention in detail about causes, Pathology, clinical features and management of Hepatitis B.
3. Define bronchial Asthma. Write a note on its clinical features, complications and management.

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

4. Goiter
5. Raynauds disease
6. Acute cholecystitis
7. Stages and management of OP poisoning
8. Psoriasis
9. Hemophilia
10. Chronic complications of diabetes mellitus
11. Myocarditis
12. Gastroenteritis
13. Anxiety disorders-classification and management.

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

14. BCG Vaccine
15. Define Bronchiectasis
16. Kwashiorkor
17. Widal test
18. Four causes of developmental delay
19. Two causes of transudate types of pleural effusion
20. Acne vulgaris
21. Definition of Wilsons disease
22. Classification of pneumothorax
23. Types of gall stones

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination – APRIL 2015

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 etiology, pathogenesis and surgical management of varicose veins.
2. What is CABG? What are indications and complications of CABG?
3. Write an essay on abdominal incisions.

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

4. Deep venous thrombosis
5. Aneurysm
6. Sterility
7. Glaucoma
8. Acute otitis media
9. Gastrectomy
10. Types of skin flap
11. Pneumonectomy
12. TNM staging of Lung cancer
13. Hemothorax

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

14. What is Broncho pleural fistula?
15. What is pulmonary embolism?
16. What is coarctation of aorta?
17. Causes of airway obstruction
18. Raynauds phenomenon
19. Colposcopy
20. Decortication
21. Endoscopy types
22. What is Aortic disruption?
23. What is biopsy?

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination – APRIL 2015

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. Explain Mechanism of injury, clinical features and management of 3 part fracture of humerus.
2. Discuss the etiology, clinical features, medical and surgical management of CTEV.
3. Classify bone tumours. Explain clinical features, medical and surgical management of Gaint Cell Tumour.

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

4. CT scan and MRI
5. Clinical features and management of Hangman's fracture
6. Causes, clinical features and management of Osteoporosis
7. Ankle sprain
8. Student's elbow
9. Vertebro-basillar syndrome
10. Spinal stabilization surgeries
11. Crush injuries of hand
12. Recurrent dislocation of patella
13. Torticollis

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

14. Four deformities in RA
15. Mc Murrays test
16. Four complications of fracture
17. Sequestrum
18. Explain any one test performed in Thoracic Outlet Syndrome
19. Dermatome and Myotome
20. Skeletal traction
21. Bennet's fracture
22. Contractures
23. Myositis ossificans

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination - APRIL - 2015

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. Write in detail the physiotherapy management following fracture shaft of femur. What are the common complications seen in this condition.
2. 20 year old student presents with thoracic outlet syndrome. What would be the common postural abnormalities seen and how will you manage the same.
3. Physiotherapy assessment and management of recurrent dislocation of shoulder

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

4. Describe fracture healing. Mention the common complications of fractures.
5. Limb length discrepancy causes & it's methods of assessment.
6. Indications and contraindications of maitland's mobilization
7. Exercise program for ankylosing spondylitis.
8. Physiotherapy management of perthes disease
9. Physiotherapy assessment of TB spine
10. Define CTEV. Write in brief the surgical management for the same.
11. What are the common deformities seen in poliomyelitis? Explain.
12. What are the causes and management of phantom pain?
13. Physiotherapy management of spinalcanal stenosis
14. Plantar fasciitis – causes and management
15. What are the complications of scaphoid fracture? Write the PT management of scaphoid fracture after removal of P.O.P.
16. Name and Describe in detail any two tests to diagnose meniscal injury.
17. Pathogenesis of complex regional pain syndrome

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

18. Volkmann's ischemic contracture
19. Classify fractures of the pelvis.
20. Dysfunction syndrome of Mckenzie's concept
21. Clinical features of gout.
22. Genu recurvatum – causes.
23. Froment's sign.
24. Roos test
25. Excision arthroplasty of hip – indications
26. Prosthetic knee joint
27. Functional cast bracing.

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination - APRIL 2015

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. Describe in detail the cardiac rehabilitation program for a patient who has undergone CABG.
2. Explain in detail the physiotherapy management methods to increase lung volume.
3. Classify Burns and explain the physiotherapy management and rehabilitation of a 30 year old man with burns on the anterior aspect of neck and chest.

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

4. Active cycle breathing technique
5. Physiotherapy management of leprosy patient with bilateral claw hands
6. Highlight the contrast in parameters of PFT between obstructive and restrictive conditions.
7. Define bronchiectasis and give physiotherapy management of the same.
8. Explain the various modes of mechanical ventilator.
9. Physiotherapy management after explorative laprotomy
10. Physiotherapy management for varicose veins
11. Elaborate the physiotherapy management for stress incontinence.
12. Explain physiotherapy management for a patient who has undergoes left sided pneumonectomy.
13. Exercise prescription for diabetes patient.
14. Write a note on chest manipulations.
15. List the complications after general anaesthesia and explain the physiotherapy management for the same.
16. Breathing exercises, types and physiotherapy effects.
17. What is a humidifier? Discuss the different types of humidifiers.

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

18. Define autogenic drainage.
19. What is paroxysmal nocturnal dyspnoea?
20. List down four effects of anesthesia on cardio respiratory system.
21. Brief out precautions during suctioning.
22. What is pulse oximetry?
23. Skinfold measurement
24. Oral endotracheal tube-advantages and disadvantages
25. Define PEEP.
26. Positions to reduce work of breathing,
27. Write any two physiological differences between adult lung and paediatric lung.

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination – SEPTEMBER 2015

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. Definition, classification, etiology, pathogenesis and management of diabetes mellitus
2. Discuss etiology, clinical features and management of bronchiectasis.
3. Definition, classification, clinical features and management of Viral Hepatitis

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

4. Tetany
5. Varicose vein
6. Ulcerative colitis
7. Autism
8. Cardiac arrest
9. Management of congestive heart failure
10. Iron deficient anaemia
11. Pericarditis
12. Management of gonorrhea
13. Complications of hypertension

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

14. Polio vaccine
15. Prevention of DVT
16. Management of Rickets
17. Anorexia Nervosa
18. Name four hypoglycemic agents.
19. Define Pleural effusion.
20. Causes of dysphagia
21. Raynaud's phenomenon
22. Define aneurysm.
23. Respiratory acidosis

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination – SEPTEMBER 2015

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. Define Thoracotomy. Write a note on indications. What are the incisions used explain any one in detail.
3. Describe Etiology, Pathogenesis and surgical management of varicose veins.

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

4. Cataract
5. Otosclerosis
6. Types of Skin graft
7. Hysterectomy
8. Cholecystectomy
9. Buerger's disease
10. Management of tetanus
11. TNM Staging of Lung Cancer
12. Pleural effusion
13. Pneumonectomy

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

14. Nephrectomy-Indications
15. Define Lung abscess
16. Types of scar
17. Any four factors affecting wound healing
18. Biopsy –types
19. Causes of airway obstruction
20. Mc. burneys incision
21. Thrombophlebitis
22. Laproscopy
23. Define aneurysm

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination – SEPTEMBER 2015

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. Describe the anatomy and functions of menisci and cruciate ligaments of the knee and discuss about the clinical features and management of an acute anterior cruciate ligament injury in a young adult
2. Define paraplegia. Describe the clinical features, investigations and treatment of Pott's paraplegia
3. Describe the blood supply of head of femur in adults. Classify fracture neck of femur in adults and discuss regarding the management of fracture neck of femur in a 50 year old patient

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

4. Osteosarcoma
5. Paget's disease of bone
6. Brode's abscess
7. Bartons fracture
8. Foot drop
9. Flail chest
10. Crutch walking
11. Blood supply of talus
12. Supracondylar fracture of humerus in children
13. Iliotibial band contracture

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

14. Radiological features of tuberculosis of hip joint
15. Tennis elbow
16. Finkelstein's test
17. Deformities in CTEV
18. Hangman's fracture
19. Klippel feil syndrome
20. Symes amputation
21. Diagnostic criteria's of rheumatoid arthritis
22. Supraspinatus tendinitis
23. Classify open fractures

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination - SEPTEMBER 2015

me: 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

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

.. Explain indications and contraindications for knee arthroplasty. Write the physiotherapy management of a patient with knee arthroplasty in the moderate protection phase.

2. 20 year old male patient presents to you with ACL reconstruction with a bone patellar bone tendon graft. Chart out the physiotherapy management in the maximum and moderate protection phases.

3. Define lumbar spodylosis. Explain physiotherapy assessment and management of a 50 year old teacher diagnosed with the same.

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

4. Etiology and pathogenesis of golfer's elbow

5. Classify both bone fracture of fore arm. Write in detail the physiotherapy management of the same.

6. Write the physiotherapy management of a 10 year old boy with supracondylar fracture of humerus.

7. Briefly describe the common deformities seen in rheumatoid hand with pathogenesis.

8. Principles of tendon transfers

9. Physiotherapy management following knee disarticulation

10. Physiotherapy management following patellectomy

11. Describe exercises for forward neck posture.

12. Maitland's grades of mobilization

13. Physiotherapy management following flexor tendon repair

14. Physiotherapy management of periarthritis shoulder

15. Exercise prescription for acquired scoliosis

16. Physiotherapy management of colle's fracture

17. Etiology and pathogenesis of thoracic outlet syndrome

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

18. Faber's test

19. Passive SLR test

20. Plica syndrome

21. Causes of Avascular Necrosis of hip

22. Core stabilization exercises for low back pain

23. Opponens splint

24. Perthe's disease - stages

25. Torticollis

26. Non union of fracture

27. Zig zag deformity of hand

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination - SEPTEMBER 2015

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. Name the occupational lung diseases. Write a detailed PT management for the same.
2. What are varicose veins? What is the PT management for the same? Add a note on ergonomic advice.
3. Explain a detailed cardiac rehabilitation program following Coronary Artery Bypass Graft.

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

4. Write a detailed PT management for a case of right pnuemothorax who is on intercostal drainage.
5. What are the types of humidifiers? Explain them in detail.
6. Explain active cycle of breathing technique. What are its indications?
7. Define suctioning. Explain in detail about the procedure and precautions of suctioning.
8. What is the role of physiotherapist in managing a dyspneic patient?
9. What is the importance of manual techniques in chest physiotherapy? Explain its indications and contraindications.
10. What is stress test? What are the test termination criterias?
11. Give an exercise prescription for a patient with Diabetes Mellitus.
12. Explain about weaning the patient from the ventilator.
13. Elaborate postnatal management for a 23year old following caesarean section.
14. Give a detail PT management following appendicectomy.
15. Explain PT management for a patient following pneumonectomy.
16. What are the musculoskeletal problems during pregnancy?
17. Explain the different types of breathing exercises.

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

18. Kegel's exercise
19. What is Respiratory acidosis and alkalosis?
20. What is Cor pulmonale?
21. Manual hyperinflation
22. Bronchopulmonary fistula
23. What is PEEP?
24. Procedure to use metered dose inhaler
25. Diastasis Recti
26. Importance of pressure garments in scar management
27. What is anthropometry?

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination – SEPTEMBER 2015

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. Describe in detail anatomy of rotator cuff tendons of shoulder joint, Discuss management of rotator cuff injuries.
2. Discuss the pathoanatomy, aeitiology, clinical features and management of DDH(development dysplasia of hip joint)
3. Describe the arches of foot. Discuss the clinical features and management of flat foot.

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

4. Bone scan
5. Management of ACL injuries
6. Exostosis
7. Compartment Syndrome
8. Intervertebral Disc Prolapse
9. Claw Hand
10. Intertrochanteric Fractures
11. Tom Smiths Arthritis
12. Ewings sarcoma
13. Compound fractures

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

14. Fibromyalgia
15. Foot drop
16. THOMAS SPLINT
17. POP (plaster of paris)
18. Golfers elbow
19. Shoulder dislocation
20. Thomas test
21. Lachman's test
22. Retrocalcaneal bursitis
23. Mallet finger

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (Physiotherapy) Degree Examination –SEPTEMBER 2015

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. Discuss fluid and electroloyte management of surgical patient.
2. Discuss the etiopathogenesis, clinical features, investigations and treatment of buerger's disease
3. Definition, indications, incisions and complications following gastrectomy

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

4. Necrotising fascitis
5. Management of 50% burns in 50 kg lady
6. Otitis media
7. Pneumonectomy
8. Patent ductus arteriosus
9. Corneal ulcers
10. Inguinal hernia
11. Prostatectomy
12. Systemic therapy in carcinoma breast
13. Sexually transmitted diseases in females

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

14. Factors affecting wound healing
15. Define critical limb ischemia
16. Marjolin's ulcer
17. Classify congenital heart diseases
18. Triple assessment of the breast
19. Mention different incisions used for appendicectomy
20. Causes for spontaneous pneumothorax
21. Malgaigne bulging
22. What is post cholecystectomy syndrome? Mention four causes
23. Epidural anaesthesia

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T Degree Examination – SEPTEMBER 2015

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 clinical features investigations and management of myasthenia gravis
2. Discuss definition clinical features and management of pyogenic meningitis

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

3. Discuss various causes of compressive myelopathy
4. Write short essay on dementia
5. Management of rigidity
6. Clinical features of syringomyelia
7. Tarsal tunnel syndrome

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

8. Dystonia
9. What is polymyositis
10. What is Gower's sign
11. Bell's palsy
12. Two uses of MRI

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T Degree Examination – SEPTEMBER 2015

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. Head injury classification, clinical features – write detailed about management of extradural haemetoma.
2. Define hydrocephalus. Explain clinical features, investigation and management.

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

3. Management of entrapment neuropathies
4. Surgical management of lumbar disc prolapse
5. Management of septic encephalopathy
6. Brown Sequard syndrome
7. UMN bladder

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

8. Craniotomy
9. Carpel tunnel syndrome
10. Foot drop
11. Brain abscess
12. Ptosis

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T Degree Examination – SEPTEMBER 2015

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

COMMUNITY MEDICINE

Q.P. CODE: 2168

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 Health problems of the aged population.
   Explain the preventive strategies appropriate to this population
2. Explain the methods of health education to a group
3. What are occupational diseases? Classify them

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

4. Side effects and complications of intrauterine devices.
5. Demographic cycle
6. Modes of Transmission of HIV
7. Effects of air pollution
8. Health Hazards of hospital waste
9. Evaluation of screening tests
10. Iceberg phenomenon of disease
11. Diseases caused by arthropod vectors
12. Determinants of health
13. Causes of Maternal Mortality

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

14. Classification of food
15. Types of plaque
16. Window period
17. Juvenile delinquency
18. Anthropology
19. Oral contraceptives
20. Role of anganvadi worker
21. Vasectomy
22. Chlorination of water
23. Rehabilitation - definition

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