

Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours

Max. Marks: 80 Marks

GENERAL MEDICINE (OS, RS & RS2)

Q.P. CODE: 2164

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define bronchiectasis. Write about etiology, clinical features and management of bronchiectasis
2. Define what is diabetes mellitus? Write about classification, clinical features and management of diabetes mellitus
3. Describe etiology, clinical features and management of infective endocarditis

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Malaria
5. Clinical features of hyperthyroidism
6. Management of O.P compound poisoning
7. Causes for secondary hypertension
8. Antitubercular drugs
9. Management of heart failure
10. Jone's criteria for Rheumatic fever
11. Causes of iron deficiency anaemias
12. Causes and complications of obesity
13. Cardiopulmonary resuscitation

SHORT ANSWERS

10 x 2 = 20 Marks

14. Two causes of supportive lung diseases
15. Name two opportunistic infections in HIV
16. Define bronchial asthma
17. Two causes of congenital acyanotic heart diseases
18. Rheumatic fever prophylaxis
19. Name two bronchodilators
20. Name any two occupational lung diseases
21. Modes or routes of transmission of HIV infection
22. Enzymes in diagnosis of myocardial infarction
23. Beri Beri

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

Time: Three Hours

Max. Marks: 80 Marks

GENERAL MEDICINE

(RS-3 & RS-4)

Q.P. CODE: 2714

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

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

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

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

SHORT ANSWERS

10 x 2 = 20 Marks

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

Rajiv Gandhi University of Health Sciences

Third Year BPT Degree Examination - Aug 2013

Time: 3 Hours

[Max. Marks: 80]

Community Medicine

QP Code : 2168

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

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

SHORT ESSAY (Answer any eight)

8 X 5 = 40 Marks

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

SHORT ANSWERS

10 X 2 = 20 Marks

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

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours

Max. Marks: 80 Marks

GENERAL SURGERY

(RS-3 & RS-4)

Q.P. CODE: 2715

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

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

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

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

SHORT ANSWERS

10 x 2 = 20 Marks

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

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Max. Marks: 80 Marks

CLINICAL ORTHOPAEDICS (OS, RS & RS2)

Q.P. CODE: 2163

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

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

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

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

SHORT ANSWERS

10 x 2 = 20 Marks

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

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

Time: Three Hours

Max. Marks: 100 Marks

ORTHOPAEDICS & SPORTS PHYSIOTHERAPY

(RS-3 & RS-4)

Q.P. CODE: 2717

(QP Contains two pages)

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

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

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Compile the assessment for biceps tendonitis along with the special test which aid in its diagnosis.
5. What are the causes of impingement syndrome in shoulder? Briefly mention the physical therapy treatment aims for it.
6. What are the general physical therapy treatment principles for osteoarthritis of knee at acute and sub acute and chronic stages?
7. Briefly mention the assessment of a 27 year old man following ankylosing spondylitis which is in sub acute stage.
8. What is the position of foot in CONGENITAL TALIPES EQUINO VARUS deformity? What are the principles of management for a 3 year old child with the deformity?
9. What is osteoporosis? Mention any 2 investigations required to diagnose it. What are the precautions to be taken by a physical therapist to treat a patient with the disorder?
10. Mention the physical therapy management for a patient with osteomyelitis of knee at chronic stage.
11. What are causes of THORACIC OUTLET SYNDROME? Mention 2 confirmatory tests for it.
12. Write the postoperative physical therapy management of patellectomy for a 30 year old male following a comminuted fracture of patella.
13. What is perthes disease? Mention physical therapy management for a 3year old boy diagnosed with perthes.
14. What are the types of spinal tractions? Give its indications and contra indications.
15. Discuss the physical therapy management of a 3 year old child who has a torticollis deformity to her right side.
16. What is spondilolisthesis? Write down the exercises, which can be given for an adult who has a listhesis over L₅-S₁ since 4 months after a fall.
17. Discuss briefly about the spinal orthosis and its mechanical principles, which can be given for a grade -2 scoliosis (cobb's angle greater than 40 degrees).

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SHORT ANSWERS

10 x 2 = 20 Marks

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

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Time: Three Hours

Max. Marks: 80 Marks

ORTHOPAEDICS AND TRAUMATOLOGY

(RS-3 & RS -4)

Q.P. CODE: 2716

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

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

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

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

SHORT ANSWERS

10 x 2 = 20 Marks

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

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Time: Three Hours

Max. Marks: 100 Marks

CARDIORESPIRATORY & GENERAL PHYSIOTHERAPY

(RS-3 & RS-4)

Q.P. CODE: 2718

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

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

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

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

SHORT ANSWERS

10 x 2 = 20 Marks

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

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Time: 3 Hours

Max. Marks: 40 Marks

Neurology

Q.P. Code : 2166

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

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

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

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

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

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

SHORT ANSWERS

5 x 2 = 10 Marks

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

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Time: 3 Hours

Max. Marks: 40 Marks

Neurosurgery

Q.P. Code : 2167

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

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

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

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

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

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

SHORT ANSWERS

5 x 2 = 10 Marks

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