

# Rajiv Gandhi University of Health Sciences, Karnataka

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

**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 multiple sclerosis. Write about clinical features, assessment and PT management of multiple sclerosis in 55 year old male since 2 years.
2. 28 year old female diagnosed as complete spinal cord injury at level T4-T5 since 2 years. Write about clinical features, assessment and management of the same.
3. Define stroke and write about clinical features, assessment and PT management of sub arachnoid haemorrhage at left frontal lobe of brain in 72 years old.

### **SHORT ESSAYS (Answer any Twelve)**

**12 x 5 = 60 Marks**

4. Write a note on neuro developmental therapy.
5. Co-ordination exercises for upper limb in cerebellar disorders
6. Physiotherapy management for unilateral neglect
7. Write about effects and uses of electrical stimulation in neurological rehabilitation.
8. Physiotherapy management of median nerve palsy with 1 month duration
9. Write about indications, effects and uses of passive stretching.
10. Write any one assessment scale for activities of daily living
11. Difference between spasticity and flaccidity
12. Write about long term PT management in severe traumatic brain injury.
13. Write about effects and uses of partial weight bearing treadmill training.
14. Physiotherapy management of high stepping gait
15. Write about effects and uses of proprioceptive neuromuscular facilitation patterns
16. Write about any two neurophysiological approaches in management of stroke.
17. Indication and uses of F.G test

### **SHORT ANSWERS (Answer any Ten)**

**10 x 2 = 20 Marks**

18. Rigidity and its types
19. Knuckle bender splint
20. Dystonia
21. Sensory ataxia
22. Testing of 12<sup>th</sup> cranial nerve
23. Romberg's sign
24. ULTT 1
25. Cardinal signs of Parkinson's disease
26. Movement decomposition
27. Apraxia and its types

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – APRIL - 2015

**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. Enumerate the national health programmes. Explain national leprosy eradication programme.

### **SHORT ESSAYS TYPE (Answer any Eight out of Ten)**

**8 x 5 = 40 Marks**

4. Community nutrition programmes
5. Causes of maternal mortality
6. Disaster management
7. Functions of family
8. Pulse polio immunization
9. Child health programmes
10. Uses of a growth chart
11. Models of health education
12. Functions of world health organization
13. Postnatal care

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

14. Deformities in leprosy
15. Tertiary level of prevention
16. Vitamin A prophylaxis
17. Sources of air pollution
18. DOTS
19. Warning signals of cancer
20. National family welfare programme
21. Window period in HIV
22. Incineration
23. Odd ratio

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# Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – APRIL 2015

**Time: Three Hours**

**Max. Marks: 100 Marks**

## COMMUNITY BASED REHABILITATION (RS3 & RS4)

**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 the Multi sectoral approach to CBR. Enumerate the role of each sector / groups of people in the development and implementation of CBR program
2. Describe the process of work hardening for a person who has undergone L<sub>4</sub>-L<sub>5</sub> discectomy 2 months ago and now wants to return back to work as a long distance driver
3. Develop a home exercise program for a 8 year old spastic diplegic who is ambulating with a help of walker and an Ankle Foot Orthosis

### **SHORT ESSAYS (Answer any Twelve)**

**12 x 5 = 60 Marks**

4. Write a short note on Principles of health education for promoting CBR activities
5. Out reach programs in CBR
6. Mention the services provided by the government for persons with disability
7. List the different types of employment opportunities which are suitable for a 20 year old lady with mild mental retardation
8. List and specify the role of members who form the part of a vocational rehabilitation team
9. Describe the methods in social work
10. What are the home environment modifications which you would initiate for a 70 year old man living at home with his wife also of the same age
11. Develop a health awareness program for preventing Coronary Artery Disease based on the different levels of prevention
12. What are the barriers to community participation in CBR programs?
13. Define disability. List the various types and the causes for various types of disabilities
14. Role of Non Governmental organizations in CBR
15. Discuss the need for disability evaluation
16. Prepare a brief care giver educations program for a child born with special needs
17. Advantages and disadvantages of CBR program

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

18. Short falls of Institution Based Rehabilitation
19. Importance of disability surveys
20. 2 purposes of doing a vocational evaluation
21. 4 factors limiting the role of government in CBR activities
22. 4 funding possibilities for sustaining a CBR project
23. Role of anganwadi worker in CBR activities
24. Mention 4 national level health care programs
25. Role of placement officer
26. WHO, ILO definition of CBR
27. Importance of high risk screening in neonates

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

**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. Write about post polio syndrome, its pathophysiology, clinical features and management.
2. Define Spina Bifida. Write about its causes, clinical features and management.

#### **SHORT ESSAYS (Answer any Four)**

**4 x 5 = 20 Marks**

3. Assessment of Autonomic Nervous system
4. Dysphagia and its management
5. Causes and management of facial palsy
6. Clinical features and management of Wilson's disease
7. Importance and uses of CSF examination

#### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. Dystonia
9. Botulism
10. Autism
11. NCV and its uses
12. Ataxia

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

**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 meningitis. Explain clinical features, pathophysiology and management.
2. Explain clinical features, investigations and management of lumbar inter vertebral disc prolapse (IVDP).

#### **SHORT ESSAYS (Answer any Four)**

**4 x 5 = 20 Marks**

3. Indication and complication of Burr-hole procedure
4. Glasgow coma scale (GCS)
5. Brain tumors
6. Meningocele and its management
7. Management of neurogenic pain

#### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. Deep brain stimulation
9. What is Erb's palsy?
10. Lacunar stroke
11. Neural implantation
12. Define Syringomyelia.

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