

# Rajiv Gandhi University of Health Sciences, Karnataka

**IV Year B.P.T. Degree Examination – 21-May-2025**

**Time: Three Hours**

**Max. Marks: 80**

## **COMMUNITY MEDICINE (RS-5)**

**Q.P. CODE: 2748**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

### **LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Define geriatrics. What are the health problems of the aged and add a note on preventive measures
2. Define epidemiology. Classify epidemiological studies and describe cross sectional study with example

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

**8 x 5 = 40 Marks**

3. Hospital acquired infections
4. School health programme
5. Dimensions of health
6. Uses and side effects of oral contraceptive pills
7. Mpox
8. Seminar and symposium
9. Risk factors and preventive measures of domestic accidents
10. Food fortification
11. Functions of primary health centre
12. Risk factors and preventive measures of diabetes

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Disaster mitigation
14. Barriers of communication
15. Pearl index
16. Name six vector borne diseases
17. Types of rehabilitation
18. Epidemiological triad
19. Pulse polio programme
20. Food pyramid
21. Characteristics of mentally sound person
22. Health effects of air pollution

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# Rajiv Gandhi University of Health Sciences, Karnataka

**IV Year BPT Degree Examination – 26-May-2025**

**Time: Three Hours**

**Max. Marks: 100 Marks**

## **Community Physiotherapy – (RS-5)**

**Q.P. CODE: 2750**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

### **LONG ESSAYS (Second Question choice)**

**2 x 10 = 20 Marks**

1. Write in detail about screening and rehabilitation for 2 year old child suffering from cerebral palsy.
2. Role of physiotherapy in CBR.

**Or**

Disability evaluation for upper and lower limb.

### **SHORT ESSAYS (Question No.3 & 12 choice)**

**10 x 5 = 50 Marks**

3. CBR matrix.

**Or**

Early intervention in high risk babies.

4. Main streaming of disability.
5. Difference between IBR and CBR.
6. Geriatric rehabilitation.
7. Methods of social work.
8. What is working hardening and work conditioning?
9. Explain about health care system in India.
10. Role of family member in rehabilitation.
11. Role of anganwadi worker.
12. Write in detail about the different approaches for the delivery of rehabilitation.

**Or**

Strategies to improve ADL.

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Models of CBR.
14. Meals on wheels.
15. PWD Act.
16. Role of ASHA worker.
17. Drawbacks of CBR.
18. Handicap and Impairment.
19. Biological hazards.
20. Developmental screening.
21. Role of Rockfellar foundation.
22. Types of Incontinence.

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 23-May-2025

Time: Three Hours

Max. Marks: 100 Marks

## NEURO PHYSIOTHERAPY (RS5)

**Q.P. CODE: 2749**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

### LONG ESSAYS (Second Question choice)

**2 x 10 = 20 Marks**

1. Discuss the Physiotherapy assessment and management of a 72 year old male patient with Parkinson's Disease.
2. Explain the classification, clinical features and PT management of 50 year old female with Amyotrophic Lateral Sclerosis.

**Or**

Discuss the classification, clinical features and PT management of a 20 year old female with Multiple Sclerosis.

### SHORT ESSAYS (Question No.3 & 12 choice)

**10 x 5 = 50 Marks**

3. Draw Brachial Plexus and explain the classification of Brachial Plexus Injury.

**Or**

Explain the types of Neurogenic Bladder in detail.

4. Mention the classification of Head Injury using an appropriate neurological assessment tool.
5. Discuss the Physiotherapy management of 13 year old girl with Guillain-Barre Syndrome in the ICU.
6. Mention the clinical features and Physiotherapy management of a 2 year old boy with Hydrocephalus.
7. Define Developmental Screening and explain the role of developmental screening in paediatric physiotherapy.
8. Discuss the physiotherapy management of Pudendal Nerve Palsy.
9. Discuss the PT management of a 50 year old man with Myesthenia Gravis.
10. Explain the assessment of Cranial nerves III, IV and VI.
11. Explain Vojta's approach in detail.
12. Define Tremors and explain the various types of tremors.

**Or**

Discuss the PT management of Ataxic Gait.

### SHORT ANSWERS

**10 x 3 = 30 Marks**

13. Define Dysmetria.
14. Diffuse Axonal Injury.
15. Nystagmus.
16. Common contractures seen in Poliomyelitis.
17. Sacral sparing.
18. Hemianopia.
19. Deformities seen in Median Nerve Palsy.
20. Kernig's sign.
21. Hyperkinetic and Hypokinetic Gait.
22. Surgeries in Psychiatric disorders.

# RajivGandhiUniversity of Health Sciences, Karnataka

**IV Year B.P.T. Degree Examination 19-May-2025**

**Time: 3 Hours**

**Max. Marks: 80 Marks**

## **NEUROLOGY AND NEUROSURGERY (RS-5)**

**Q.P. Code: 2747**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

### **LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Define Poliomyelitis. Write about its etiopathogenesis, clinical features and management.
2. Write about types of spinal cord injury and its clinical features. Write about surgical management for the same.

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

**8 x 5 = 40 Marks**

3. Write a note on Amyotrophic Lateral Sclerosis and its clinical features.
4. Pathophysiology of Multiple Sclerosis.
5. Write about Botulism, its etiology and signs and symptoms.
6. Define Gullian Barre Syndrome, Write about its causes and clinical features.
7. Neuropraxia and its management.
8. Arnold Chiari malformation.
9. Indications of Craniotomy.
10. Transvers Myelitis.
11. Coma Stimulation.
12. Hydrocephalus and its management.

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Define Tetanus.
14. Clinical features of Bulbar palsy.
15. Importance of Electromyography.
16. Pupillary reflex and its importance.
17. Lacunar infarct clinical features
18. Thoracic outlet Syndrome.
19. Ablative surgery.
20. Muscle biopsy.
21. Indications of tendon transfers.
22. Burr Hole surgery.

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 28-May-2025

**Time: Three Hours**

**Max. Marks: 80**

## **RESEARCH METHODOLOGY AND BIOSTATISTICS (RS-5)**

**Q.P. CODE: 2751**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

### **LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Describe the different types of sample design
2. Discuss about probability and standard distributions

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

**8 x 5 = 40 Marks**

3. How schedules differ from questionnaires?
4. Explain exploratory research studies
5. Points to be observed by a researcher while selecting a research problem
6. What are the objectives of research?
7. Limitations of tests of hypothesis
8. Explain three types of validity
9. Application of sampling in community
10. Explain the problems in processing
11. Guidelines for the use of various measures of central tendency
12. How to select an appropriate method for data collection?

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. What is principle of replication?
14. What is interview method?
15. What are Branches of statistics?
16. Unpaired t-test
17. Cumulative scales
18. Simulation research
19. Time series
20. Control group
21. Significance level
22. What is Diligence?

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