



# Rajiv Gandhi University of Health Sciences, Karnataka

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

**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. What are muscular dystrophies? Write in detail about clinical features and management of Duchenne muscular dystrophy.
2. Define Guillian-Barre syndrome. Explain pathophysiology and management of the same.

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

**4 x 5 = 20 Marks**

3. Explain clinical features of cerebellar ataxia.
4. Discuss various types of motor neuron disease.
5. Write a note on Tetanus.
6. Syringomyelia and its clinical features
7. Transverse myelitis & its clinical features

### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. Transient ischemic attack
9. Foot drop
10. Difference between spasticity and rigidity
11. Dysarthria
12. What is spinal shock?

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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 hydrocephalus, its clinical features and management.
2. What is Craniotomy? Write about its indications and complications.

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

**4 x 5 = 20 Marks**

3. Surgical management in cerebral palsy and its importance
4. Types of spinal tumors
5. Deep brain stimulation
6. Importance of neural implantation
7. Coma and its management

### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. Uses of MRI
9. Hemi Laminectomy
10. Stereotactic surgery
11. Burr Hole surgery
12. Cranioplasty

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

**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 Cerebral palsy. Write in detail about assessment and management of 2 year old spastic diplegic Cerebral Palsy.
2. Write classification of spina bifida. Write about physiotherapy management of a one year old child who was operated for myelomeningocele at L-2,3 spinal level.
3. Enumerate the Neuro Physiological techniques. Explain any one in detail about the principles and effects.

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

**12 x 5 = 60 Marks**

4. Write about spinal reflexes.
5. PT management of acute median nerve palsy
6. Discuss associate problems in cerebral palsy
7. Management for hemiplegic shoulder
8. Explain the PT management of Duchene's muscular dystrophy.
9. Explain the PT management of sensory ataxia.
10. Importance of early identification of risk babies
11. Gait training in Parkinson's disease
12. Eaton-Lambert myasthenic syndrome
13. Explain in brief sensory examination in neurological conditions.
14. Discuss developmental milestone for one year old.
15. Classify head injury based on RLA scale.
16. Classification and clinical features of Motor Neuron Disease.
17. Functional assessment in Neurological conditions

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

**10 x 2 = 20 Marks**

18. Sunderland's classification of nerve injury
19. Festination Gait
20. Char cot's triad
21. ASIA scale
22. Dystrophin
23. Dysdiadochokinesia
24. Any 4 differences between spasticity and rigidity
25. Any four clinical features of brain tumor
26. Functions of fifth cranial nerve
27. Importance of developmental screening

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# Rajiv Gandhi University of Health Sciences, Karnataka

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

**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. Describe various health programmes. Explain national tuberculosis programme.

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

**8 x 5 = 40 Marks**

4. Community nutrition programmes
5. Screening for cancers
6. Disaster management
7. World health organization
8. Pulse polio immunization
9. Causes of maternal mortality
10. National family welfare programme
11. Models of health education
12. Sources of hospital waste
13. Postnatal care

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

14. Complication of hypertension
15. Child abuse
16. Vitamin A prophylaxis
17. Prevention of iron deficiency anemia
18. Street and fixed virus
19. Nosocomial infection
20. National policy programme
21. Window period in HIV
22. Incineration
23. Classification of food

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – SEPT 2017

**Time: Three Hours**

**Max. Marks: 100 Marks**

**COMMUNITY BASED REHABILITATION (RS – 3 & RS – 4)**

**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 20 = 20 Marks**

1. Define community based rehabilitation? How is CBR different from institution based rehabilitation? Describe the various models of CBR
2. Define aging? Describe in detail the changes occurring in various musculoskeletal and cardio respiratory system during aging? What is the role of physiotherapist in geriatric rehabilitation.
3. What is Ergonomics? Explain in detail the industrial accidents due to physical agents and role of physiotherapist in the industrial set – up?

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

**12 x 5 = 60 Marks**

4. Role of multipurpose Rehabilitation worker (MRW) in CBR
5. Explain in detail about the principles of CBR
6. Define impairment and Disability with 2 examples for each
7. Discuss the changes in the Nervous system due to aging
8. Define is genetic counseling? What are the indications for genetic counseling
9. Define urinary incontinence? Role of physiotherapy in management of urinary incontinence
10. Discuss the role of social worker in Rehabilitation
11. Explain the need of early detection in high risk infants
12. Discuss vocational Rehabilitation. Write a short note on the steps involved during vocational assessment for people with disability.
13. Role of physiotherapist in CBR
14. Functions of district disability rehabilitation centers

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

15. CBR geriatric rehabilitation
16. National immunization programmes
17. Discuss the functions of Red Cross organization in CBR
18. Functions of Anganwadi workers
19. Drawbacks of CBR
20. Define community
21. World health organization's role in CBR
22. Home programme for a patient with Alzheimer's disease
23. Meals on wheels
24. Write a short note on Disability in down's syndrome
25. Functions of Primary Health Centre
26. Deformities seen in cerebral palsy
27. Define social work

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