



# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - April 2014

**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

### **Essays type (Answer any Two out of three)**

**2 x 10 = 20 Marks**

1. Explain characteristics of hemiplegic gait. Write about gait training for hemiplegic patient in stage of recovery.
2. What are the causes for common peroneal nerve palsy? Write physiotherapy management of a foot drop case.
3. What are clinical features of Parkinsonism? Write physiotherapy management for the same.

### **Short Essays type (Answer any Twelve out of fourteen)**

**12 x 5 = 60 Marks**

4. How will you evaluate level of consciousness in a case of head injury?
5. Write about development of gross motor milestones of a normal child in first one year
6. Explain principles of Rood's and Vojta's treatment approaches for cerebral palsy
7. Exercises for sensory ataxia
8. Write physiotherapy management of paraplegic case in stage of spinal shock
9. How will you manage case of amyotrophic lateral sclerosis?
10. Explain types of involuntary movements
11. Physiotherapy management of Duchenne's Muscular Dystrophy
12. Write about management of athetoid cerebral palsy case
13. Write physiotherapy management in case of bulbar polio.
14. Write in short factors affecting recovery following nerve injury
15. Physiotherapy management of myasthenia gravis
16. Importance of neuro developmental screening & assessment in babies
17. How will you manage case of Bell's palsy in stage of recovery?

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

18. Kernig's Sign
19. Evaluation of sixth cranial nerve
20. Automatic bladder
21. Genetic abnormality in Down's Syndrome
22. Physiological classification of cerebral palsy
23. Palmar & Plantar grasp reflex
24. Glabellar Tap Test
25. Seddon's classification of nerve injury
26. Attitude of intrinsic minus hand
27. Define perception

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – April 2014

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)**

**2 x 10 = 20 Marks**

1. Explain the epidemiology of poliomyelitis. Add a note on epidemiological basis for poliomyelitis eradication.
2. Explain elements of cohort study. Mention the main differences between case control and cohort studies.
3. Define demography. Explain the demographic cycle. Add a note on couple protection rate (CPR)

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

**8 x 5 = 40 Marks**

4. Monitoring & surveillance
5. Incidence & prevalence
6. Biases in case-control study
7. BCG vaccine
8. Indirect modes of transmission
9. Classical Dengue fever
10. Define screening and uses of screening
11. Preventive and social measures to reduce maternal mortality
12. Health problems of the aged
13. Mosquito control measures

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

14. Case fatality rate
15. Food fortification
16. Signs of Vitamin C deficiency and its prevention
17. Uses of descriptive epidemiology
18. Diagram of disaster cycle
19. Define epidemic
20. Two uses of growth chart
21. Passive surveillance
22. Define maternal mortality
23. Mention the vaccines under universal immunization programme

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# Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination – April-2014

**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. Mention the role of the government in the present rehabilitation services for persons with disability. List the factors limiting the role of the government in providing these services
2. Discuss the three tier health care delivery system in India
3. What are the different levels of prevention of disease? What are the modes of intervention at each levels of prevention for preventing mental retardation in children?

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

**12 x 5 = 60 Marks**

4. Discuss a Physiotherapist training programme
  - a) Family member &
  - b) Community level worker regarding care of a paraplegic at home
5. List the members who form the vocational evaluation team. Enumerate in brief the role of each member of the team
6. Develop a home exercise program for a 6 year old child suffering from spinal muscular atrophy
7. Role of social worker in CBR
8. What is vocational rehabilitation? Give 5 vocational rehabilitation options for an 18 year old spastic diplegic with mild mental retardation, mild speech and hearing deficit, who is uneducated living in rural area
9. Classify occupational hazards. List all the occupational hazards which could be faced by a dental surgeons
10. Advantages and limitations of CBR
11. Discuss the difference between monitoring and evaluation and its importance in CBR projects
12. What environmental modification would you suggest for a wheel chair user working in an IT company whose office is on the second floor?
13. What are the consequences of disability on
  - a) Person with disability
  - b) Family
  - c) Community
14. Discuss the difference between Out reach and Out patient services
15. Describe the different modes of employment available for persons with disability seeking employment
16. What is the role of the physiotherapist in the post natal phase for the mother and family?
17. Role of WHO and World Bank in CBR activities

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

18. List the members who form a part of the CBR team
19. Define disability and Handicap according to WHO
20. Mention 4 important roles of NGO's in CBR
21. Mention 2 national level programs for health in children
22. 2 advantages of Out reach services
23. Mention 4 uses of a survey
24. 2 approaches to facilitate community participation in CBR activities
25. 2 screening tests for Down's syndrome
26. List various types of disability
27. Name 2 national organizations involved in CBR activities

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - April 2014

**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. Discuss in detail about cranial nerve examination
2. Polynuropathy – classification & explain about diagnosis of polyneuropathy

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

**4 x 5 = 20 Marks**

3. Down syndrome
4. Thoracic outlet syndrome
5. Eaton – Lambert syndrome
6. TIA
7. Meningitis

### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. Alcohol toxicity
9. Define autisms
10. Define chorea
11. Epilepsy classification
12. Vertigo

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IV Year B.P.T. Degree Examination - April 2014

**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. Surgical management complications of Encephalitis
2. Surgical management complications of Dandy walker syndrome

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

**4 x 5 = 20 Marks**

3. Ataxia telangiectasia
4. Radial nerve palsy
5. Cerebral mal formation
6. Complication of organ transplantation
7. Complication of neural implantation

### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. Pallidotomy
9. Tabes dorsalis
10. Chorea
11. Syphilis
12. Eaton – Lambert syndrome

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