

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 24-Nov-2023

Time: Three Hours

Max. Marks: 100

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 (Second Question choice)

2 x 10 = 20 Marks

1. Define Guillain Barre syndrome. Write the assessment and management of a 45 year patient with GB syndrome
2. Explain Brachial plexus. Write assessment and management of a 19 year old person with right side brachial plexus injury due to over abduction of neck

OR

Define cerebral palsy. Write in detail about assessment and management of 3 year old spastic quadriplegic

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. What is sensory ataxia? Write its PT management

OR

What are the classification and clinical features of motor neurone disease?

4. Energy conservative techniques in myasthenia gravis
5. What is central cord syndrome? Write PT management for the same
6. Write a note on Barthel Index
7. Explain physiotherapy management in acute phase of stroke
8. What is peritoneal shunting? Write PT management for hydrocephalus
9. What is postural hypotension? Write PT management for the same
10. Define facial palsy. Write PT management for facial palsy
11. What is radial nerve palsy? Explain its causes assessment and PT management
12. Write a detailed note on sensory integration approach

OR

Define spasticity. Explain the causes for spasticity and its assessment scale

SHORT ANSWERS

10 x 3 = 30 Marks

13. Chorea
14. Rigidity and its types
15. Thoracic outlet syndrome
16. Myopathic gait
17. Eaton-lambert syndrome
18. Risk babies
19. Reflex
20. Autism
21. Sunset sign
22. Bell's phenomenon

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 27-Nov-2023

Time: Three Hours

Max. Marks: 80 Marks

COMMUNITY MEDICINE

(RS3 & RS4)

Q.P. CODE: 2721

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

ESSAYS TYPE (Answer any One)

1 x 10 = 10 Marks

1. Discuss the MCH nutritional programmes in detail.
2. Define and classify epidemics and explain epidemic investigation in detail.

SHORT ESSAYS TYPE (Answer any Eight)

8 x 5 = 40 Marks

3. Disease cycle.
4. Health determinants.
5. National guinea worm eradication programme.
6. Primary health centre.
7. Seasonal trends.
8. Health education objectives.
9. SET protocol in leprosy.
10. Infant mortality rate.
11. TAV/DPT vaccine.
12. Demographic theories.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Health spectrum.
14. Definition of hygiene.
15. Germ theory.
16. Vector indices.
17. Case fatality ratio.
18. Pandemic.
19. Census.
20. Mechanical transmission.
21. Bar graph.
22. Ring immunization.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – 29-Nov-2023

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 (Second Question choice)

2 x 10 = 20 Marks

1. Define community based rehabilitation. Planning and management of community based rehabilitation.
2. What is disability evaluation? Describe principles and how many evaluation used for person with upper limb disability.

OR

Explain models of community based rehabilitation. Write a note on objectives and scope of community based rehabilitation.

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Assistive aids with low cost for community.

OR

Role of physiotherapy in Ergonomic evaluation at work place.

4. WHO.
5. Members of community based rehabilitation team.
6. Community initiated versus community oriented programme.
7. Types of disability.
8. Primary health centre.
9. Note on extension services and mobile units.
10. Write a note on anganwadi worker.
11. Role of physiotherapy in community based rehabilitation.
12. Explain developmental screening, its benefit and brief at least two screening scales.

OR

Vocational rehabilitation.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Define disease.
14. Red Cross.
15. Importance of NGO's.
16. Decentralization in community based rehabilitation.
17. Charitable organization.
18. Write down levels of disability prevention.
19. Name stake holders of community based rehabilitation.
20. Community Awareness.
21. UNICEF.
22. Qualitative data.

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IV Year BPT Degree Examination – 29-Nov-2023

Time: Three Hours

Max. Marks: 100 Marks

COMMUNITY BASED REHABILITATION

(RS3 & RS4)

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1. Define community based rehabilitation. Planning and management of community based rehabilitation.
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IV Year B.P.T. Degree Examination - 22-Nov-2023

Time: 3 Hours

Max. Marks: 40

NEUROLOGY - (RS-3 & RS-4)

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. Define Stroke. Explain classification and management of Ischemic stroke
2. Define movement disorders. Explain clinical features, investigation and management of Parkinson's disease

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Discuss various type of motor neuron disease
4. Myasthenia Gravis
5. Bell's palsy
6. Friedreich's Ataxia

SHORT ANSWERS

5 x 3 = 15 Marks

7. Causes of Encephalitis
8. Wallerian degeneration
9. Higher mental functions
10. Foot drop
11. Spasticity

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IV Year B.P.T. Degree Examination - 22-Nov-2023

Time: 3 Hours

Max. Marks: 40

NEUROSURGERY - (RS-3 & RS-4)

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. Explain craniotomy and its indication and complications
2. Classify peripheral nerve injury. Explain management of radial nerve palsy

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Burr-hole procedure
4. Syringomyelia and its clinical features
5. Management of septic encephalopathy
6. Hydrocephalus and its management

SHORT ANSWERS

5 x 3 = 15 Marks

7. Arnold Chiari Malformation
8. Lumbar puncture
9. Deep brain stimulation
10. Asphyxia
11. Lower motor neuron lesion

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination –22-Nov-2023

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 Stroke. Write in detail about its types, clinical features and surgical management for haemorrhagic stroke
2. Define perception and write in detail about its classification

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Trigeminal neuralgia
4. Write about the causes and clinical features of Erb's palsy
5. Clipping of aneurysm
6. Define cerebral palsy, write a note about the signs and symptoms
7. Meningitis
8. Write a note on toxic disorders
9. Myasthenia gravis
10. Muscular dystrophy
11. Nerve conduction Velocity studies
12. Write a note on tetanus

SHORT ANSWERS

10 x 3 = 30 Marks

13. Dysphagia
14. Spina bifida
15. Brudzinski sign
16. Vertigo
17. Hypertonicity
18. Deep brain stimulation
19. Nystagmus
20. Charcot's triad
21. Pallidotomy
22. Post polio syndrome

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 24-Nov-2023

Time: Three Hours

Max. Marks: 80 Marks

COMMUNITY MEDICINE (RS5)

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 Screening. Write the differences between screening and diagnostic test. Add a note on concept of lead time
2. Enumerate the various national health programs. Explain the strategies under national leprosy eradication program

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Define rehabilitation. Explain the types with examples
4. Write the advantages and disadvantages of case-control study
5. Write briefly on epidemiology and prevention of dengue
6. Risk factors for coronary heart diseases
7. High risk pregnancy
8. Prevention of protein energy malnutrition
9. Write briefly about the cultural factors in health and disease
10. Disaster preparedness
11. Write briefly on occupational exposure of lead
12. Types and causes of mental illness

SHORT ANSWERS

10 x 3 = 30 Marks

13. Epidemiological triad
14. Common source epidemic
15. Inactivated polio vaccine
16. Direct Observation Treatment Short (DOTS) strategy
17. Tracking in hypertension
18. Couple protection rate in family planning
19. Enumerate methods of solid waste disposal
20. Incineration of health care waste
21. Silicosis
22. Audio-visual aids

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 27-Nov-2023

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. Define multiple sclerosis. Write about clinical features, assessment and physiotherapy management of multiple sclerosis in 55-year-old female since 2 years.
2. Enumerate the Neuro physiological techniques. Explain any one in detail about the principles and effects.

OR

Explain the assessment and physiotherapy management for balance and co-ordination in elderly patients.

SHORT ESSAYS (Question No 3 & 12 choice)

10 x 5 = 50 Marks

3. Explain the importance of energy conservative techniques in Myasthenia gravis.

OR

Circulation of CSF.

4. Explain physiotherapy management for common peroneal nerve palsy.
5. Post-operative management of spinal disc herniation.
6. Physiotherapy management of Scissoring gait.
7. Explain the assessment and management of Bell's Palsy.
8. Explain the management of Down Syndrome.
9. Management of Hemiplegic shoulder.
10. Explain the management of Duchene's Muscular Dystrophy.
11. Explain the hold relax and contract relax techniques in PNF.
12. Write a note on constraint induced movement therapy.

OR

Importance of mat exercise.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Ulnar Paradox.
14. Define Nystagmus.
15. Slump test.
16. Foot drop.
17. Chorea.
18. Micrographia.
19. Battle's sign.
20. Define carotid artery stenosis.
21. Seddon's classification of nerve injury.
22. Define perception.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 29-Nov-2023

Time: Three Hours

Max. Marks: 100 Marks

COMMUNITY PHYSIOTHERAPY (RS5)

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. Discuss in detail difference between institution based and community based rehabilitation.
2. Differentiate between impairment, disability and handicap with appropriate examples. What are the principles of disability evaluation?

OR

Define health. Discuss principles of health promotion in community.

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Write a note on regional rehabilitation and training centers.

OR

Explain on the strategies to improve ADL.

4. Write a note on need for mobile unit.
5. Explain the physiology of aging in musculoskeletal system.
6. Role of physiotherapist in overuse/fatigue for constant standing in traffic police.
7. Write a note on UNICEF.
8. What are the barriers to community participation in CBR programme?
9. Explain geriatric counselling and its uses.
10. Role of Anganwadi worker in district with example.
11. Explain levels of biological hazards with example.
12. Multidisciplinary approach in CBR.

OR

Members of CBR team and their role in CBR.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Define survey.
14. Role of placement officer in CBR.
15. National family welfare programme.
16. What is PWD Act?
17. Importance of high risk screening in neonates.
18. Functions of Red Cross.
19. Vitamin D prophylaxis.
20. Cardiac changes in old age individuals.
21. What is the need for giving awareness on maternal nutrition?
22. What are the principles of Ergonomic alteration?

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 01-Dec-2023

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. What is hypothesis? Explain the testing methods of hypothesis
2. Discuss about analysis of variance and covariance

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. What are the features of a good research design?
4. Explain complex random sampling research design
5. Differentiate rating versus ranking scale
6. Explain diagnostic research
7. Merits and demerits of personal interview and telephone interview
8. Sources of error in measurement
9. Ungrouped versus grouped mean
10. Types of variables
11. Cumulative frequency curve
12. Types of analysis

SHORT ANSWERS

10 x 3 = 30 Marks

13. Define Quantitative research
14. Motivation in research
15. **Define Probability and mention axioms**
16. Define Sampling unit
17. What is Interval scale?
18. What is Structured observation?
19. What is Two-tailed test?
20. What is Histogram?
21. What is Meaning of mode?
22. What is Standard deviation?
