

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 07-Jul-2022

Time: Three Hours

Max. Marks: 100 Marks

NEURO PHYSIOTHERAPY (RS3 & RS4)

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. Write the physiotherapy management for gaining head control for 2 year old with spastic cerebral palsy.
2. Define tone. Enumerate the differences between spasticity and rigidity. Discuss in detail about the assessment, investigations and management of spasticity.

OR

Explain the characteristics of hemiplegic gait. Write about gait training for hemiplegic patient in stage of recovery.

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Spina Bifida Occulta.
4. Describe Wrist drop.
5. Describe the findings of Cerebro spinal fluid in TB meningitis.
6. Physiotherapy management for post polio syndrome.
7. Classification of motor neuron disease.
8. How will you manage a case of spinal cord injury at C5-C6 level in acute stage?
9. Explain any three Neuropathological gait.
10. Explain ICU management of a head injury patient.
11. Explain the principles of Rood's and Vojta's treatment approaches for cerebral palsy.
12. Ulnar nerve injury management.

OR

Developmental milestones.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Sunderland's classification of nerve injury.
14. APGAR Score.
15. Ape thumb deformity.
16. Write a note on Neurogenic bladder.
17. Differentiate between decerebrate rigidity and decorticate rigidity.
18. Babinski sign.
19. Axillary nerve paralysis.
20. Lower motor neuron lesion.
21. Neurotransmitters.
22. Horner's syndrome.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 11-Jul-2022

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. Enumerate the national health programmes. Explain national leprosy eradication programme.
2. Define infant mortality rate. Mention the various factors responsible for IMR. What measures have been taken to prevent IMR?

SHORT ESSAYS TYPE (Answer any Eight)

8 x 5 = 40 Marks

3. Hazards of immunization.
4. National cancer control programme.
5. Principles of health education.
6. Hospital waste management.
7. Medical Entomology.
8. Barriers in communication.
9. Risk factors for obesity.
10. Balanced diet.
11. Functions of family.
12. Types of mental illness.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Define maternal mortality.
14. BCG vaccine.
15. Broken family.
16. Types of screening.
17. National policy for children.
18. Determinants of health.
19. Types of rehabilitation.
20. Iodine deficiency disorder.
21. Pneumoconiosis.
22. Uses of growth chart.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – 13-Jul-2022

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 ageing. Describe in detailed the rehabilitation of Parkinson's subject in the community setup.
2. Define screening. Write detailed about early detection of disabilities. Add a note on prevention of disabilities.

OR

Define CBR. Explain the functions of the primary health centers.

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Physical problems of old age
- OR**
- Discuss models of CBR.
 4. Vocational rehabilitation services
 5. Role of family members in CBR
 6. Benefits for people with disability according to the PWD Act
 7. What are the occupational hazards in industrial area?
 8. District rehabilitation centers
 9. Discuss community entry strategies.
 10. What are the strategies to improve ADL for stroke patient?
 11. Difference between outpatient and outreach services
 12. Discuss about genetic counseling.

OR

Extensive service and mobile units

SHORT ANSWERS

10 x 3 = 30 Marks

13. What is the role of special employment exchange for people with disability?
14. Define handicap.
15. Mention components of lower limb evaluation.
16. Name two screening tests in high risk babies.
17. Functions of World bank
18. Role of half way homes
19. Define institutional based rehabilitation.
20. What is the disadvantages of institutional based rehabilitation?
21. Define ergonomics.
22. Integrated child development centers

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – 13-Jul-2022

Time: Three Hours

Max. Marks: 100 Marks

COMMUNITY BASED REHABILITATION (RS3 & RS4)

Q.P. CODE: 2722

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- Discuss models of CBR.
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 5. Role of family members in CBR
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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 05-Jul-2022

Time: Three Hours

Max. Marks: 40 Marks

NEUROLOGY (RS3 & RS4)

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? Discuss in detail about clinical features, diagnosis, complications and management of stroke.
2. Write a note on head injury. Classification, medical and surgical management of head injury.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Bladder dysfunction in spinal cord injury.
4. Ballism.
5. Tetanus.
6. Spinal muscular atrophy.

SHORT ANSWERS

5 x 3 = 15 Marks

7. Bell's palsy.
8. Carpal tunnel syndrome.
9. Foot drop.
10. Down syndrome.
11. Asphyxia.

Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.P.T. Degree Examination - 05-Jul-2022

Time: 3 Hours

Max. Marks: 40 Marks

NEUROSURGERY - (RS3 & RS4)

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 in detail about causes, clinical features, investigations and management of brain tumours.
2. What is Arnold chiari malformation, clinical features, investigations and management of Hydrocephalus?

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Procedure and indications of Laminectomy.
4. Reflex sympathetic Dystrophy.
5. EMG.
6. Brown sequard syndrome.

SHORT ANSWERS

5 x 3 = 15 Marks

7. Meningomyelocele.
8. Neurorrhaphy.
9. Pertussis.
10. Syphilis.
11. Tabes dorsalis.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination –05-Jul-2022

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. Parkinson's disease its classification, clinical features, pathophysiology and management.
2. Head injury its etiology, classification, signs and symptoms and its surgical management.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Various tests for hearing assessment.
4. Dysphagia – causes, symptoms and management.
5. Tabes dorsalis its causes clinical features and medical management.
6. Brown sequard syndrome.
7. Mononeuritis multiplex its causes and nerves involved.
8. Cranioplasty its indications and steps involved.
9. Aneurysm clipping its indications and complications.
10. Deep brain stimulation and its complications.
11. Neural implantation its indications and steps involved.
12. Classification of spinal tumors and its clinical features.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Dandy walker syndrome.
14. Risk factors for TIA.
15. Preventive measures against dementia.
16. CSF picture in Bacterial Meningitis.
17. Pupillary reflex.
18. Arnold Chiari malformation.
19. Complications following organ transplantation.
20. Rhizotomy.
21. Signs and symptoms of IVDP.
22. Pontine hemorrhage.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 07-Jul-2022

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. What is screening. Explain the objectives and types screening.
2. Define epidemiology. Mention its scope, principles and methods used in infectious disease.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Write a note on vector borne disease control programme.
4. Types and courses of mental illness.
5. Write a note on antenatal and postnatal care.
6. Models of health education.
7. Define fertility, various factors effecting fertility.
8. What is obesity, its causes and prevention?
9. Hazards of biomedical waste.
10. Pneumoconiosis.
11. Prevention of HIV/AIDS.
12. Role of primary health centre.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Signs of vitamin B deficiency.
14. Role of ASHA worker.
15. Define family planning.
16. BCG vaccine.
17. DOTS.
18. National health programme concerned mother and child.
19. Case control study.
20. Types of disaster.
21. Biological effects of radiation.
22. Quarantine.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 11-Jul-2022

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. Write in detail the Physiotherapy assessment and management of a 6-month-old case T10 level spinal cord injured patient (ASIA-A).
2. Explain the causes, classification and clinical features of cerebral palsy. Add a note on the management of 8-year-old spastic diplegic child.

OR

Explain the clinical features of Guillain Barre Syndrome and write in detail the physiotherapy management during the acute phase of Guillain Barre Syndrome.

SHORT ESSAYS (Question No 3 & 12 choice)

10 x 5 = 50 Marks

3. Describe the Hemiplegic gait and its physiotherapy management.

OR

Explain the management of Neurogenic Bowel in detail.

4. Principles of Motor relearning Program. Explain.
5. Developmental Milestones and its importance in paediatric physiotherapy.
6. Define Spasticity and its Physiotherapy management.
7. Explain four outcome measures used for Gait Analysis in Neurological conditions.
8. Importance of Yoga in Neuro Physiotherapy.
9. Write about Principles of Brunnstrom Movement therapy.
10. Write about Constraint Induced Movement Therapy for children.
11. Describe Testing of 5th Cranial nerve in detail.
12. Clinical features of Duchene Muscular Dystrophy.

OR

Write about sensory re-education for peripheral nerve injuries.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Modified Ashworth Scale.
14. Define Agnosia and types.
15. Argyll Robertson's Pupil.
16. Mention four complications post traumatic brain injury.
17. Classification of peripheral nerve injury.
18. Define multiple sclerosis.
19. Myopathic Gait.
20. Clinical features of Bell's Palsy.
21. Define Autism.
22. Types of suspension therapy and its uses.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 13-Jul-2022

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. Describe the concept of the CBR matrix. What are the objectives of the matrix?
2. Describe the composition of a CBR team. What is the role of the medical members in the team?

OR

Describe the steps involved in planning and setting up of a CBR programme. What are the strategies to be considered for sustainability?

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Briefly describe the characteristics of a community.

OR

What is community-based rehabilitation?

4. Briefly describe steps to be followed while approaching a community for rehabilitation implementation.
5. Describe the relationship between community-based rehabilitation of persons with disability and overall community development.
6. What are the benefits of an inclusive school in relation to community development?
7. Describe briefly steps to be followed to mobilize community members to participate in rehabilitation of persons with disability.
8. Describe the steps involved in evaluating the need for CBR in a given community.
9. What are the objectives of a CBR programme?
10. Describe briefly the advantages of client centric goals for rehabilitation of persons with disability.
11. What is the role of impairment evaluation?
12. Describe the strategies to be implemented while training a community rehabilitation volunteer.

OR

What is the role of district rehabilitation centres?

SHORT ANSWERS

10 x 3 = 30 Marks

13. Define rehabilitation.
14. List the types of rehabilitation delivery.
15. Define community.
16. List two methods of community-based rehabilitation delivery.
17. What are the types of disabilities recognized by the govt. of India for affirmative action?
18. What is the role of social worker in CBR?
19. What is the role of non-governmental organisations in promoting an inclusive society?
20. What are the steps to consider during evaluation for a seating system for a child with disability attending normal school?
21. Basic principles of CBR
22. What are architectural barriers?

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 15-Jul-2022

Time: Three Hours

Max. Marks: 80 Marks

RESEARCH METHODOLOGY AND BIOSTATISTICS (RS5)

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 are measures of central tendency? Explain each of them with an example.
2. Define research design. Explain the steps involved in research process.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Construction of frequency polygon.
4. Features of good research design.
5. What is standard normal distribution? Mention its important properties.
6. Motivation in research.
7. Explain the techniques of developing measurement tools.
8. Factors to be considered in the preparation of questionnaires.
9. Null and Alternative hypothesis.
10. Role of statistics in research.
11. Research methods v/s methodology.
12. Pie diagram construction.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Sampling unit.
14. Continuous v/s Discrete variables.
15. Hypothesis.
16. Nominal scale.
17. Define population and sample.
18. What are the criteria for the application of chi square test?
19. Mean deviation.
20. Probability.
21. Sampling error.
22. Coefficient of variation.
