RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination 28-May-2024

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, its causes, types, symptoms and management.
2. Spinal cord injury causes, clinical features, investigations and management.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

3. Discuss the steps in assessing higher mental functions.
4. Define lumbar puncture its uses, side effects and complications.
5. Enumerate the difference between Facial palsy and Bells palsy.
6. Wilsons disease its clinical features and its management.
7. Enumerate the complications of systemic infections on Nervous system.
8. Burr hole surgery its indications and step involved.
9. Hemorrhagic stroke and its management.
10. Hemilaminectomy indications and complications.
11. Guillain barre syndrome and its management.
12. Define brain abscess, its causes and surgical management.

SHORT ANSWERS 10 x 3 = 30 Marks

13. Myasthenia gravis.
14. Obsessive compulsive disorders.
15. Carpal tunnel syndrome.
16. Botulism.
17. Clinical features of Parkinson’s disease.
18. Uses of MRI in Neurosurgery.
19. Syringomyelia.
20. Tests for Hearing function.
21. Stereotactic surgery.
22. Sarcoidosis.

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 30-May-2024

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. Write the objectives, strategies and activities under Reproductive and Child Health Programme (RCH).
2. Describe the different principles of Health Education with examples.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

3. What is epidemic, endemic and Pandemic?
4. Objectives of Postnatal Care.
5. Low Birth weight.
6. Indicators of Maternal and Child (MCH) care.
7. Explain ‘Rule of Halves’ in hypertension.
8. Methods of Nutritional Assessment in a community.
9. Job responsibilities of ASHA under National Rural Health Mission.
10. Briefly describe public health system in India.
11. Indications for Medical Termination of Pregnancy.
12. Uses of Epidemiology.

SHORT ANSWERS 10 x 3 = 30 Marks

13. Define Primary Prevention.
14. Colour codes in Biomedical Waste Management.
15. Triage in disaster management.
16. Supplementary action of proteins in diet.
17. Define sensitivity of a screening test.
18. Mention modifiable risk factors for cardiovascular disease.
19. Name cold chain apparatus kept at Primary Health Centre.
20. List the activities under disaster mitigation.
21. Risk approach in Antenatal care.
22. Uses of Growth chart.

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 10-Jun-2024

Time: Three Hours | Max. Marks: 100

NEURO PHYSIOTHERAPY (RS-5)
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. Classify stroke. Explain in detail about the clinical features, physiotherapy assessment and management for 45 years female with right hemiplegia duration 1½ years
2. Explain in detail about the clinical features and physiotherapy management of 65 years old male Parkinson's patient in Hoehn and Yahr stage III

   OR

   Define Motor Neuron Disease? Discuss the clinical features, physiotherapy assessment and management of amyotrophic lateral sclerosis

SHORT ESSAYS (Question No 3 & 12 choice) — 10 x 5 = 50 Marks

3. Explain the prescription of wheel chair for a 35 year old T4 level paraplegic patient

   OR

   Discuss the physiotherapy management of above elbow level radial nerve injury
4. Explain the classification of developmental reflexes
5. Explain assessment of cerebellar lesion
6. P.T. management of traumatic brain injury in ICU
7. Explain Bobath approach in brief
8. Explain sensory ataxia with respect to the clinical presentation and physiotherapy management
9. Discuss Mat activities in spinal cord injury
10. Explain the principle of Neuro Developmental Therapy (NDT)
11. Explain management of shoulder hand syndrome
12. Discuss physiotherapy management of unconscious patient

    OR

    What is Brown-Sequard Syndrome?

SHORT ANSWERS — 10 x 3 = 30 Marks

13. Define Motor Aphasia
14. Explain Stages of muscular dystrophy
15. What is high stepping gait?
16. Explain ASIA scale
17. Define transverse myelitis
18. Brudzinski sign
19. Define Athetosis cerebral palsy
20. Classification of spina bifida
21. Define tarsal tunnel syndrome
22. What are the types of Nerve Conduction Velocity Studies?

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 30-May-2024

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 Spina Bifida. Write PT assessment and management of a 8-year-old girl with spin bifida occulta
2. Define CVA and its types. Write PT assessment and management of 55 year old patient suffering from left side anterior cerebral artery infraction
   OR
   Write the clinical features and physiotherapy management of Parkinsonism duration 8 months Hoehn and Yahr stage III

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Factors affecting recovery following nerve injury
   OR
   Brain stem reflexes
4. Common peroneal nerve injury and its PT management
5. Glabellar tap sign and its significance
6. What are the effects and uses of Proprioceptive Neuro muscular facilitation patterns?
7. Physiotherapy management of Ape thumb deformity
8. Functional electrical stimulation in re-educating gait after stroke
9. Explain in detail about primitive reflexes
10. Define balance and the different factor affecting balance
11. Secondary complications in cerebral palsy patient
12. Write a note on functional independent measure scale (FIMS)
    OR
    Write a note on sensory integration approach

SHORT ANSWERS 10 x 3 = 30 Marks

13. High risk babies
14. Define hydrocephalus
15. Name and explain the gait due to cerebellar dysfunction
16. Nystagmus
17. Spastic bladder
18. Evaluation of third cranial nerve
19. Apraxia and its types
20. Kerning's sign
21. UMN and LMN lesion
22. ASIA scale

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 28-May-2024

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 Myasthenia Gravis. Write about its etiopathogenesis, clinical features and management.
2. Write about causes, clinical features, complications and investigations of Motor Neuron Disease.

SHORT ESSAYS (Answer any Three) 3 x 5 = 15 Marks

3. Higher Mental Function assessment.
4. Autism.
5. Dysphagia and its management.
6. EMG.

SHORT ANSWERS 5 x 3 = 15 Marks

7. Trigeminal Neuralgia.
8. Cerebral Palsy types.
9. Signs of Meningitis.
10. Tetanus.
11. Athetosis.

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 28-May-2024

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. Define Head injury. Write the causes, classification, signs and symptoms and surgical management of the same.
2. Define spinal tumors. Classify and enumerate the causes, clinical features, investigation and surgical management of spinal tumor.

SHORT ESSAYS (Answer any Three) 3 x 5 = 15 Marks

3. Define hydrocephalus and write the surgical management of hydrocephalus.
4. Erb's palsy – etiology, clinical features and management.
5. Cerebral palsy – etiology and clinical features.
6. Write the surgical management of hemorrhagic stroke.

SHORT ANSWERS 5 x 3 = 15 Marks

7. Mononeuritis multiplex.
8. Craniotomy.
9. Syringomyelia – definition and clinical features.
10. Brain abscess – common organisms.
11. Vagal stimulation.

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year BPT Degree Examination – 05-Jun-2024

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 disability, explain the types of disability, add a note on prevention of disability
2. Explain the role of physiotherapy in CBR, differentiate between CBR and IBR
   OR
   Explain in detail about planning and management of CBR programmes

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Methods of social work
   OR
   Explain levels of biological hazards with examples
4. Explain community entry strategies
5. Management of cerebral palsy in community
6. Members involved in multidisciplinary approach and their role
7. Role of social worker in rehabilitation
8. Physiology of ageing in musculoskeletal systems
9. Role of Half way homes
10. Social problems in old age
11. Role of PT in stress management
12. Define screening and write its importance in detection of high risk infants
    OR
    Ergonomic advice for a computer operator

SHORT ANSWERS 10 x 3 = 30 Marks

13. Explain any two National health programme
14. define handicap and impairment
15. Four clinical features of down syndrome
16. ILO
17. Functions of Red Cross
18. Day care centre
19. What is quantitative and qualitative method of evaluation?
20. Define mental retardation
21. Any four objectives of CBR
22. Mention any four human rights policy

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year BPT Degree Examination – 05-Jun-2024

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 principles of disability evaluation. What are the strengths and limitations of the permanent physical impairment evaluation?
2. Describe in detail the necessity of CBR in a person with spinal cord injury.

   OR

   Describe the potential work-related musculoskeletal disorders of manual material handling. What is an essential engineering control to diminish the risk?

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Describe briefly steps to be followed to mobilize community members to participate in rehabilitation of persons with disability.

   OR

   What are the objectives of a CBR programme?
4. Describe the strategies to be implemented while training a community rehabilitation volunteer.
5. Describe the necessity of vocational counselling for complete rehabilitation of a person with disability.
6. What are the potential work related musculoskeletal risk factors of sedentary jobs?
7. Enumerate the risk factors for falls in the elderly.
8. Explain the role of PT in school fitness programmes.
9. Describe the role of PT in developing awareness programs for obesity.
10. Describe models of rehabilitation delivery and give one strength and one limitation for each.
11. Briefly describe community entry strategies and the role of physiotherapy at each level.
12. Briefly describe factors influencing the management of a CBR program.

    OR

    Describe the role of physiotherapy in early intervention of developmental disorders.

SHORT ANSWERS 10 x 3 = 30 Marks

13. Define community.
14. List the stakeholders in community-based rehabilitation of a person with disability.
15. What is accessibility audit?
16. Define the levels of health according to World Health Organisation.
17. What are the goals of mobile rehabilitation units?
18. Define rehabilitation.
19. Write any three screening tests for high risk babies.
20. Draw the ICF framework of description of functioning and disability.
21. Basic principles of CBR.
22. Define decentralization in CBR.

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 07-Jun-2024

Time: Three Hours | Max. Marks: 80 Marks

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. Define research and describe in detail the various research design process and add a note on feature of good research design
2. Define a sample and describe in detail different types of sample design and the criteria for selecting the sample

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

3. Explain the procedure of tabulation of data
4. Explain the role of computers in physiotherapy research
5. Explain the characteristics of normal probability curve
6. Define standard deviation and coefficient of variation illustrate its importance with suitable examples.
7. Define hypothesis. Explain briefly the basic concept concerning testing of hypothesis
8. Explain the difference between descriptive and inferential statistics
9. Describe briefly the various methods of diagrams and histograms used in data analysis
10. Describe the criteria for good samples and what is sample design error?
11. Describe briefly the measurement scales used in research and add a note on errors in measurement
12. What is research problem and steps involved in review of literature?

SHORT ANSWERS 10 x 3 = 30 Marks

13. What is sampling frame?
14. Difference between mean, median and mode
15. List the difference between nominal and ordinal scale
16. List the difference between prospective and retrospective study
17. List the difference between one tailed and two tailed hypothesis
18. What is type I and type II error
19. What is Skewness of data?
20. Write a note of ANOVA
21. What is case control study?
22. List four problems faced by researches in India

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 11-Jun-2024

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. Define family planning. Describe the various contraceptive methods used.
2. Explain the different sources of hospital waste and management of hospital waste.

SHORT ESSAYS TYPE (Answer any Eight) 8 x 5 = 40 Marks

3. Epidemiologic surveillance and disease control.
4. National diabetes control programme.
5. Role of physiotherapist in mental health retardation.
6. Effects of air pollution.
7. Explain the management of lead poisoning.
8. Pneumoconiosis.
9. Screening of blindness.
10. Adverse effects of smoking.
11. Explain about the uses of epidemiology.
12. Explain briefly the dimensions of health.

SHORT ANSWERS 10 x 3 = 30 Marks

13. Quarantine.
14. Uses of screening.
15. Growth chart.
16. BCG vaccine.
17. Indications of health.
18. Concept of health.
19. Objective of health education.
20. What is social security?
21. Classification of food.
22. Warning signs of cancer.

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RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination –20-Nov-2024

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, labelled diagrams wherever necessary.

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Define Parkinson's disease, etiology, risk factors, pathophysiology, diagnosis, investigation, differential and medical management of the same.

2. Define head injury. Write about the classification, clinical features, investigations and management.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

3. Spinal muscular atrophy.
4. Write down names of spinal tumours. Explain in detail about ependymoma.
5. Write a note on cerebral malformation and its surgical management.
6. Ischemic stroke management.
7. Define multiple sclerosis, its clinical sign, symptoms and medical management.
8. Friedreich's Ataxia.
9. Invasive and non invasive neurological examination procedures.
10. Clinical features and management of Wilson's disease.
11. Indications of cerebro spinal fluid examination.
12. Radioculopathies and its management.

SHORT ANSWERS 10 x 3 = 30 Marks

13. Endarterectomy.
14. Insomnia.
15. Deep brain stimulation.
16. Brucellosis.
17. Tetanus and Pertusis.
18. Nerve biopsy.
19. Kerning's sign.
20. Define Apraxia and types.
21. Dysphagia.
22. Myoclonus.

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RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 20-Nov-2024

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. Describe clinical features and management of Poliomyelitis. Add a note on post polo syndrome
2. Define Motor Neuron Disease. Explain classification clinical features and management of Amyotrophic Lateral Sclerosis

SHORT ESSAYS (Answer any Four) 3 x 5 = 15 Marks

3. Higher Mental functions
4. Cerebellar Ataxia
5. Cerebral Palsy
6. Syringomyelia: causes and clinical features

SHORT ANSWERS 5 x 3 = 15 Marks

7. Transient Ischemic Attack (TIA)
8. Wilson’s disease
9. Deep tendon reflexes
10. CSF findings in Meningitis
11. Dysphagia

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 20-Nov-2024

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 spinal cord injury, its clinical features and surgical management
2. What are muscular dystrophies? Explain clinical features, investigations and management of muscular dystrophy

SHORT ESSAYS (Answer any Three) 3 x 5 = 15 Marks

3. Cranioplasty
4. Burr hole surgery
5. Glasgow Coma Scale
6. Neural Implantation

SHORT ANSWERS 5 x 3 = 15 Marks

7. Athetosis
8. Enumerate test of brain death
9. Difference between spasticity and rigidity
10. Indications for nerve repair
11. Types of CSF Shunting

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination –20-Nov-2024

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, labelled diagrams wherever necessary.

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Define Parkinson's disease, etiology, risk factors, pathophysiology, diagnosis, investigation, differential and medical management of the same.

2. Define head injury. Write about the classification, clinical features, investigations and management.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

3. Spinal muscular atrophy.
4. Write down names of spinal tumours. Explain in detail about ependymoma.
5. Write a note on cerebral malformation and its surgical management.
6. Ischemic stroke management.
7. Define multiple sclerosis, its clinical sign, symptoms and medical management.
8. Friedreich's Ataxia.
9. Invasive and non invasive neurological examination procedures.
10. Clinical features and management of Wilson's disease.
11. Indications of cerebro spinal fluid examination.
12. Radioculopathies and its management.

SHORT ANSWERS 10 x 3 = 30 Marks

13. Endarterectomy.
14. Insomnia.
15. Deep brain stimulation.
16. Brucellosis.
17. Tetanus and Pertusis.
18. Nerve biopsy.
19. Kerning's sign.
20. Define Apraxia and types.
21. Dysphagia.
22. Myoclonus.

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 25-Nov-2024

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 causes, clinical features, physiotherapy assessment and management of a 50 year old man with left MCA Stroke.

2. Explain the post-operative physiotherapy assessment and management of a 25 year old patient with Traumatic Brain Injury in the ICU.
   Or
   Discuss the physiotherapy assessment and management of a 7 year old child with Meningitis

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Explain the developmental milestones of a child at 9 months.
   Or
   Assessment of Cranial nerves I and II.
4. Role of Physiotherapy in Down's syndrome.
5. Explain the physiotherapy management in Parkinson's Gait.
6. Explain the principles of Motor Relearning Program in detail.
7. Discuss the Physiotherapy management of Spastic Hand.
8. Explain the postoperative physiotherapy management of a patient with C5-6 Discectomy.
9. Differentiate between Eaton-Lambert Syndrome and Myesthenia Gravis.
10. Define Apraxia. Explain the types of Apraxia and its management.
11. Explain the normal developmental reflexes seen in a child at three months.
12. Explain ASIA Scale and its significance.
    Or
    Discuss the physiotherapy management of Tibial Nerve Palsy.

SHORT ANSWERS 10 x 3 = 30 Marks

13. Clinical features of Cauda Equina Syndrome.
14. Spasticity Grading.
15. Lhermitte's Sign.
16. Tinnel's Sign.
17. Post Polio Residual Palsy.
18. Define Agnosia and mention the types of Agnosia.
19. Modified Hoehn and Yahr Scale
20. APGAR score.
21. Define Muscle Tone.
22. Scissoring Gait.

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 22-Nov-2024

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. Explain the steps involved in conduction of a Cohort Study with an example
2. Enumerate the various community nutrition programs. Explain the epidemiology, prevention and control of iodine deficiency disorders

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

3. National immunization Schedule
4. Types of carriers
5. Polio eradication Strategies
6. Role of cancer screening in cancer prevention
7. Rule of halves in hypertension
8. Write the advantages and contraindications of intrauterine contraceptive devices
9. Prevention of infant mortality
10. Sources and health hazards of hospital waste
11. Medical measures in prevention of occupational diseases
12. Principles of health education

SHORT ANSWERS 10 x 3 = 30 Marks

13. Spectrum of health
14. Isolation
15. Odds ratio
16. Measles-Rubella vaccine
17. Exclusive breast feeding
18. Primary health centre
19. Reference protein
20. Health effects of radiation exposure
21. Natural disasters
22. Drug dependence and drug tolerance

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RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 22-Nov-2024

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 any five neurological gaits. Write assessment and management of a 30 year old patient with circumductory gait

2. Explain different types of tumors of spine. Write assessment and management of a 55 year old patient with Ependymoma
   OR
   Describe the physiotherapy management for dysfunction of the parietal, posterior lobes following cardio vascular accident

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Write physiotherapy management for patient with bulbar palsy
   OR
   Define Traumatic Brain Injury (TBI). Write about Glasgow coma scale and its importance

4. Nerve injury classification by Seddon's and Sunderland's
5. Explain Apgar score and its significance
6. What is Aphasia? Define its types
7. P.T management of cerebellar dysfunction
8. Composition of vertebral disc. Physiotherapy management for LBA
9. Multiple sclerosis and its physiotherapy management
10. Define Spina bifida, types and physiotherapy management of spina bifida at L3 level
11. Sub-acute stage of Guillian-Barre Syndrome in 50 year old lady. Write the PT management
12. Indications for hold relax technique in neuro-rehabilitation
    OR
    PT management of myasthenia gravis

SHORT ANSWERS 10 x 3 = 30 Marks

13. Unilateral neglect
14. Choreiform gait
15. Dystonia
16. Cerebro spinal fluid
17. Define hemiballismus
18. Ulnar paradox
19. Bell's phenomenon
20. Gower's sign
21. Decerebrate rigidity
22. Define Nystagnus

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 25-Nov-2024

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. Write in detail about the biomedical waste disposal and its merits and demerits.
2. Define hazards. Explain in detail about occupational hazards and disease reported in Indian Industry.

SHORT ESSAYS TYPE (Answer any Eight) 8 x 5 = 40 Marks

3. National Diabetes Control Programme.
4. Explain the principles of health education.
5. Describe the preventive measures for malnutrition among children.
6. Write about sources of air pollution.
7. Enumerate the health problems of mental retarded patients.
8. Aims and objectives of screening for diseases.
9. Write about Nutritional Surveillance.
10. Write about the importance of immunization.
11. Describe the methods of purification of water.
12. Functions of family.

SHORT ANSWERS 10 x 3 = 30 Marks

13. Iodine deficiency disorder.
14. Scope of epidemiology.
15. Indications of health.
16. Components of environment.
17. Epidemiologic Triangle.
18. PQLI – Physical Quality Life Index.
19. Name manmade disasters.
20. Name mental health services.
21. Compensation Act.
22. Risk factors of obesity.

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RajivGandhiUniversity of Health Sciences, Karnataka

IV Year BPT Degree Examination – 27-Nov-2024

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. Describe rehabilitation program to be followed for a 12-year-old wheel chair bound child suffering from Duchene Muscular dystrophy. Detail on Home exercise program and prevention of complications
2. What are the changes in neuromusculoskeletal system which contributes to falls in elderly? How environmental modifications.

   OR

   Work station modifications and ergonomic advice for a computer worker suffering from Carpal Tunnel Syndrome

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Classify occupation hazards which cause industrial injuries

   OR

   Differences between IBR and CBR
4. Multidisciplinary team
5. CBR program evaluation
6. Prevention of disability
7. Uses of disability evaluation
8. Methods of social work
9. WHO
10. Differentiate screen versus evaluation
11. Screening of high-risk mothers / pregnancy
12. Mobile outreach and extension service

    OR

    District rehabilitation centre

SHORT ANSWERS 10 x 3 = 30 Marks

13. Define rehabilitation
14. Pre-vocational evaluation
15. Halfway homes
16. Biological hazards
17. Community initiated programs
18. Need for CBR
19. USAID
20. Difference between impairment and disability
21. Define participation restriction
22. Concessions provided to persons with disability for education

RajivGandhiUniversity of Health Sciences, Karnataka

IV Year BPT Degree Examination – 27-Nov-2024

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 steps involved in planning and setting up of a CBR programme. What are the strategies to be considered for sustainability?
2. Explain the PWD act and its importance in CBR. Mention in brief the present rehabilitation service by the government for Persons with disability (PWD).

   OR

   Describe in detail the neuro musculoskeletal and cardio vascular changes with aging.

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Briefly describe the characteristics of a community.

   OR

   What are the points to be considered while developing a patient education pamphlet?
4. What are the components to be considered for elder fitness evaluation?
5. Explain any two provisions of persons with disability act (PWD).
6. Enumerate the risk factors for falls in the elderly.
7. Explain decentralization in CBR.
8. Mention the levels in disability prevention with emphasis on secondary prevention.
9. Explain in detail the various causes of disability.
10. What are the principles of disability evaluation?
11. What are the steps of a work station assessment?
12. Describe PT strategies in arthritis management for geriatric population.

    OR

    What is the role of district rehabilitation centres?

SHORT ANSWERS 10 x 3 = 30 Marks

13. List the types of rehabilitation delivery.
14. Define community-based rehabilitation as given by World Health Organisation.
15. List the parts of the ICF model of functioning.
16. What is the role of social worker in CBR?
17. Name four tool handling safety recommendations.
18. What are the uses of camp approach?
19. List any three NGO's working for disabled persons.
20. Define disability survey.
21. List two screening tools in High risk babies.
22. List the different types of rehabilitation.

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RajivGandhiUniversity of Health Sciences, Karnataka

IV Year BPT Degree Examination – 27-Nov-2024

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. Describe rehabilitation program to be followed for a 12-year-old wheel chair bound child suffering from Duchene Muscular dystrophy. Detail on Home exercise program and prevention of complications
2. What are the changes in neuromusculoskeletal system which contributes to falls in elderly? How environmental modifications.

   OR

   Work station modifications and ergonomic advice for a computer worker suffering from Carpal Tunnel Syndrome

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Classify occupation hazards which cause industrial injuries

   OR

   Differences between IBR and CBR
4. Multidisciplinary team
5. CBR program evaluation
6. Prevention of disability
7. Uses of disability evaluation
8. Methods of social work
9. WHO
10. Differentiate screen versus evaluation
11. Screening of high-risk mothers / pregnancy
12. Mobile outreach and extension service

    OR

    District rehabilitation centre

SHORT ANSWERS 10 x 3 = 30 Marks

13. Define rehabilitation
14. Pre-vocational evaluation
15. Halfway homes
16. Biological hazards
17. Community initiated programs
18. Need for CBR
19. USAID
20. Difference between impairment and disability
21. Define participation restriction
22. Concessions provided to persons with disability for education

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RajivGandhiUniversity of Health Sciences, Karnataka

IV Year BPT Degree Examination – 27-Nov-2024

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 steps involved in planning and setting up of a CBR programme. What are the strategies to be considered for sustainability?
2. Explain the PWD act and its importance in CBR. Mention in brief the present rehabilitation service by the government for Persons with disability (PWD).

   OR

   Describe in detail the neuro musculoskeletal and cardio vascular changes with aging.

SHORT ESSAYS (Question No.3 & 12 choice) 10 x 5 = 50 Marks

3. Briefly describe the characteristics of a community.

   OR

   What are the points to be considered while developing a patient education pamphlet?
4. What are the components to be considered for elder fitness evaluation?
5. Explain any two provisions of persons with disability act (PWD).
6. Enumerate the risk factors for falls in the elderly.
7. Explain decentralization in CBR.
8. Mention the levels in disability prevention with emphasis on secondary prevention.
9. Explain in detail the various causes of disability.
10. What are the principles of disability evaluation?
11. What are the steps of a work station assessment?
12. Describe PT strategies in arthritis management for geriatric population.

    OR

    What is the role of district rehabilitation centres?

SHORT ANSWERS 10 x 3 = 30 Marks

13. List the types of rehabilitation delivery.
14. Define community-based rehabilitation as given by World Health Organisation.
15. List the parts of the ICF model of functioning.
16. What is the role of social worker in CBR?
17. Name four tool handling safety recommendations.
18. What are the uses of camp approach?
19. List any three NGO's working for disabled persons.
20. Define disability survey.
21. List two screening tools in High risk babies.
22. List the different types of rehabilitation.

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RajivGandhiUniversity of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 29-Nov-2024

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 types of diagrams in biostatistics
2. Define scaling technique, explain its classification and important techniques

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

3. Inferential statistics
4. Explain the five technique involved defining a research problem
5. Flow diagram for hypothesis testing
6. What is the need for research design?
7. Explain Type I and Type II errors and its importance in testing of hypothesis.
8. Criteria of selecting a sampling procedure
9. Discuss the steps in sample design
10. Technique of developing measurement tool
11. One-way ANOVA
12. Collection of secondary data

SHORT ANSWERS 10 x 3 = 30 Marks

13. What is longitudinal research?
14. Coefficient of variation
15. Three principle of experimental design
16. Mention the implications of sample design
17. Ordinal data with suitable example in physiotherapy
18. Enumerate the Sampling units
19. Normal probability curve
20. Skewness and kurtosis
21. What is decision rule?
22. Descriptive and analytic research

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