



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Bachelor of Physiotherapy, (Semester-VII)

March 2026 Examination.

Time: 2.30.Hrs.

[Max. Marks: 80]

Clinical Neurology and Neuro surgery

Q.P Code: B7200

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

I. Long Essay (Answer any 2)

2X10=20Marks

1. Define Stroke. List the risk factors and early warning signs of stroke. Add a note on acute management of stroke (3+3+4)
2. Write a note on causes, classification, clinical features and management of Head injury.
3. Discuss etiology, pathophysiology, clinical features and treatment of multiple sclerosis of multiple sclerosis. (2+3+2+3)

II. Short Essay (Answer any 6)

6X5 = 30 Marks

4. Enumerate clinical features and investigation procedures for Guillain barre syndrome. (3+2)
5. Define hydrocephalus. Enumerate types and explain etiology. (2+3)
6. Describe BPPV. Explain tests done to assess vestibular function. (5+5)
7. Classify motor neuron diseases? Add a brief note on amyotrophic lateral sclerosis? (2+3)
8. Discuss etiology, types, clinical features, and management of spinal muscular atrophy? (1+2+1+1)
9. Explain the clinical features of Parkinson's disease.
10. Describe the clinical features of cerebellar lesion.
11. Write a note on brain tumors and its management.

III. Short answer (Answer any 10)

10X3 =30 Marks

12. List 3 clinical features brachial plexus injury.
13. Describe 3 complications of diabetic autonomic neuropathy
14. List 3 causes of ataxia.
15. What is postural hypotension?
16. Define transient ischemic attack.
17. List 3 differences between UMN and LMN lesions.
18. List the complications of burr hole surgery.
19. Define ballismus
20. Explain 2nd cranial nerve examination
21. Explain Glasgow coma scale.
22. Explain 3 higher mental functions.
23. Define encephalitis and its clinical features.



Bachelor of Physiotherapy, Semester-VII
March 2026 Examination.

Time:3.00 Hrs.

[Max. Marks:100]

Physiotherapy Neurological Conditions

Q.P Code: B7210

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary

I. LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Describe the assessment and physiotherapy management of 25 years old subject with T1 level spinal cord injury.(4+6)
2. Explain Synergy Pattern? Describe the physiotherapy management of a patient with middle Cerebral Artery syndrome. (4+6)
3. Describe the Physiotherapy management of 4 year old child with poliomyelitis.

II. SHORT ESSAY(Answer any Ten)

10X 5 = 50 Marks

4. Enumerate the assessment of 7th cranial nerve.
5. List the problems and relevant physiotherapy management for parkinsons disease. (2+3)
6. Describe the principle & technique of constrained induced therapy in a neurological condition. (2+3)
7. Describe the principle & technique of Co-ordination exercises for upper limb in cerebellar disorders with suitable examples. (2+3)
8. Describe the physiotherapy management in early stage of muscular dystrophy.
9. Explain the principles and techniques upper limb of motor relearning program used in hemiplegia. (2+3)
10. Describe the stages & uses of modified Ashworth scale. (3+2)
11. Describe the deviations & relevant physiotherapy management of waddling gait. (2+3)
12. Describe the physiotherapy management of a head injury subject with RLA stage 4&5.
13. List the types of Neurological bladder and physiotherapy management. (2+3)
14. List the symptoms and describe the physiotherapy management for sciatic nerve palsy with 1 month duration. (2+3)
15. Describe the examination of higher mental functions.

III. SHORT ANSWER (Answer any Ten)

10 X3 = 30 Marks

16. Explain Bell's Phenomena.
17. Explain Sacral sparing
18. Explain Gower's Sign.
19. Explain hold relax & contract relax technique.(1.5+1.5)
20. Explain Battle's Sign.
21. Explain Apraxia.
22. List 3 physiotherapy management for Pressure sores.
23. Write 3 tests for coordination.
24. Explain apraxia & its types.(1.5+1.5)
25. A-Complete, B-Incomplete, C-Incomplete: enumerate ASIA impairment scale interpretation
26. List the gait deviations of parkinsons disease.
27. List the components of ULTT for axillary nerve.

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**Bachelor of Physiotherapy Semester-VII
March /April 2026 Examination.**

Time: 2.00 Hrs.

[Max. Marks: 50]

Physiotherapy in women's Health & Pediatrics

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

(Use separate answer booklet for Section A & B)

Section – A

Physiotherapy in Women's Health (25 Marks)

Q.P. Code: B7225

I. LONG ESSAY (Answer All)

1 X 10 = 10 Marks

1. Write a detailed physiotherapy assessment for a 50-year-old woman with osteoporosis and prescribe an exercise protocol.

II. SHORT ESSAY (Answer all)

1 X 5 = 5 Marks

2. Discuss therapeutic modalities used during labor and postpartum incisional pain.

III. SHORT NOTES (Answer all)

5 X 2 = 10 Marks

3. Explain FITT principle for postpartum women.
4. Explain PERFECT score
5. List the symptoms of Urinary incontinence
6. List the Types of pelvic organ prolapse
7. Explain Stemmer Sign

Section B

Physiotherapy in Pediatrics (25 Marks)

Q.P. Code: B7226

(Use separate answer booklet for Section B)

I. LONG ESSAY (Answer All)

1 X 10 = 10 Marks

1. Explain in detail about therapeutic intervention for gait training in 3 years old male child with Spastic Diplegic?

II. SHORT ESSAY (Answer all)

1 X 5 = 5 Marks

2. Define Milestone? Write Developmental Milestones till the age of one year

III. SHORT NOTES (Answer all)

5 X 2 = 10 Marks

3. Classification of reflexes
4. Describe the importance of Pediatric examination
5. Describe importance of Early Intervention in new born?
6. Describe the need of therapeutic handling in NDT?
7. Describe importance of CIMT in hand function?



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Bachelor of Physiotherapy (BPT) (Semester-VII)

March 2026 Examination

Time: 2.30.Hrs.

[Max. Marks: 80]

Physiotherapy in neurological conditions

Q.P Code: B7450

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

I. LONG ESSAY

2 X 10 = 20Marks

1. A 65-year-old male with Parkinson's disease presents with freezing of gait (Hoehn & Yahr Stage III).
 - a) Explain the pathophysiology of freezing phenomenon.
 - b) Describe assessment strategies for gait and balance.
 - c) Develop a structured physiotherapy management plan including cueing strategies.
2. A 24-year-old female with T12 incomplete spinal cord injury (ASIA C).
 - a) Describe ASIA neurological examination and grading.
 - b) Analyze expected motor and sensory impairments.
 - c) Formulate goal-oriented rehabilitation plan.

II. SHORT ESSAY

6 X 5 = 30Marks

3. Describe Brunnstrom stages of motor recovery and their clinical application.
4. Formulate physiotherapy management for Duchenne muscular dystrophy in ambulatory stage.
5. Explain assessment of coordination in neurological conditions.
6. Discuss management of shoulder-hand syndrome in stroke.
7. Outline physiotherapy management of radial nerve palsy.
8. Describe energy conservation techniques in Amyotrophic Lateral Sclerosis.

III.SHORT ANSWER

10 X 3 = 30Marks

9. Define Romberg's test and interpret positive finding.
10. Define Babinski sign and state its significance.
11. List three upper motor neuron signs.
12. Define Slump test.
13. Enumerate stages of Rancho Los Amigos scale.
14. Differentiate decorticate and decerebrate posturing.
15. List components of Functional Independence Measure.
16. Define Clonus.
17. List three Rood facilitatory techniques.
18. Define Utthoff phenomenon.



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Bachelor of Physiotherapy (BPT) Semester-VII

March 2026 Examination

Time: 2.30.Hrs.

[Max. Marks: 80]

Clinical Neurology and Neuro surgery

Q.P Code: B7460

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

I. LONG ESSAY

2 X 10 = 20 Marks

1. Define traumatic brain injury (TBI) and explain its classification, clinical features, and diagnosis.
2. Define epilepsy. Write its classification, clinical features, investigations and management.

II. SHORT ESSAY

6 X 5 = 30 Marks

3. Describe the clinical features of cerebellar lesion.
4. Discuss neurological manifestations and management of anterior spinal artery syndrome.
5. Discuss the causes, clinical features and management of Guillain–Barré syndrome.
6. Discuss multiple sclerosis, classification, clinical features and management.
7. Explain causes, clinical features and management of transverse myelitis.
8. Enumerate clinical features and investigation procedures for meningitis.

III. SHORT ANSWER

10 X 3 = 30 Marks

9. Mention three causes of papilledema.
10. List three differences between UMN and LMN lesions.
11. Write the examination of the 7th cranial nerve.
12. Name three causes of stroke in the young population.
13. List three higher mental functions.
14. Explain autonomic dysreflexia.
15. Name three classical signs of Parkinson's disease.
16. List three causes of ataxia.
17. Describe three complications of diabetic autonomic neuropathy.
18. Write the examination of the 12th cranial nerve.



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Bachelor of Physiotherapy (BPT) Semester-VII March / April 2026 Examination

Time: 2 hr

[Max. Marks: 50]

Physiotherapy in Women's Health and Pediatrics

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

Section - A

Physiotherapy in Women's Health

QP Code: B7475

(Use Separate answer booklet for Section A & B)

I. Long Essay

1 X 10 = 10 marks

1. A 28-year-old primigravida at 30 weeks of gestation presents with severe low back pain radiating to the buttock, difficulty turning in bed, and pain while climbing stairs. On examination, exaggerated lumbar lordosis, tenderness over SI joint, and positive posterior provocation test are noted. Discuss the assessment findings, diagnosis, short-term and long-term goals and detailed physiotherapy management plan.

II. Short Essays

1X 5 = 5 marks

2. Explain exercise prescription for a post-menopausal woman with osteoporosis.

III. Short Answers

5 X 2 = 10 marks

3. Enumerate stages of lymphedema
4. Enumerate complications following mastectomy.
5. List the advantages of combining biofeedback with pelvic floor exercises.
6. List the types of incontinence.
7. Define pubic symphysis diastasis

Section - B

Physiotherapy in Pediatrics

QP Code: B7476

I. Long Essay

1X10=10 Marks

1. Explain motor and sensory examination in paediatric patients

II. Short Essay

1X5=5 Marks

2. Outline the steps in paediatric history taking.

III. Short Answer

5X2=10 Marks

3. Define balance.
4. Define neurodevelopmental screening test.
5. What is milestone examination?
6. Define higher mental function.
7. Define Spina Bifida