



# SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

## Bachelor of Physiotherapy, (Semester-VII)

March 2023 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.*

#### Long essay 3 (any 2)

2x10=20

1. Define and classify stroke. Describe Transient ischemic stroke and its clinical significance (4+6)
2. Define Parkinson's disease. Enumerate the pathophysiology and clinical features. Add a note on drug management of Parkinson's disease. (2+2+3+3)
3. Define hydrocephalus. Describe the types and clinical manifestation of the hydrocephalus. Add a note on management. (2+2+4+2)

#### Short essay 8 (any 6)

6x5 = 30

4. Explain the clinical features, investigations and treatment of Bell's palsy (3+1+1)
5. Describe the causes and clinical features of meningitis. (2+3)
6. Discuss causes and clinical features of tabes dorsalis.
7. Define tremors and enumerate about different types of tremors (1+4)
8. Explain clinical features, investigations and treatment of Guillain Barre syndrome(3+1+1)
9. Classify epilepsy. Discuss the medical management of epilepsy. (2+3)
10. Describe the clinical features and management of meningitis. (3+2)
11. Explain about the blood supply of brain.

#### Short answer 12 (any 10)

10x3 =30

12. Name three causes of dementia.
13. Name 3 complications of laminectomy.
14. List 3 symptoms of ischaemic stroke.
15. List the causes of coma.
16. List 3 clinical features of median nerve palsy
17. Write the 11<sup>th</sup> cranial nerve examination.
18. Name 3 drugs used in Parkinson's disease
19. Explain autonomic dysreflexia.
20. Mention 3 uses of lumbar puncture
21. Mention 3 clinical features of muscular dystrophy.
22. List 3 differences between UMN & LMN lesion.
23. List the types of multiple sclerosis.



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**Bachelor of Physiotherapy, Semester-VII  
March 2023 Examination.**

**Time:3.00 Hrs.**

**[Max. Marks:100]**

**Physiotherapy in Neurological Conditions**

**Q.P Code: B7210**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary*

**LONG ESSAY (Answer any Two)**

**2 X 10 = 20 Marks**

1. Explain Synergy Pattern? Discuss in detail about the physiotherapy management in rehabilitation phase for the 50 year old patient with middle Cerebral Artery syndrome (3+7).
2. Discuss in detail about the Physiotherapy assessment and management of Guillain Barre Syndrome in recovery stage(3+7).
3. Define Parkinson's disease. Write in detail about postural assessment and management of 60 year old male with Parkinson's disease(3+7).

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Explain the assessment of higher mental functions.
5. Explain the method of Gait training in patient with myopathic gait.
6. Write the Physiotherapy Management of Ataxia.
7. List the causes of sciatic nerve palsy and give its relevant Physiotherapy management.
8. Write the Physiotherapy management of 18 yrs old female students diagnosed with cauda equina lesion since a month.
9. Describe the stages & uses of modified Ashworth scale.
10. What are the mat activities given for a head injury Patient?
11. List the stages of Amyotrophic lateral sclerosis; write the Physiotherapy management for acute stage.
12. Explain the steps involved in motor relearning program
13. Explain the examination of balance with suitable diagram
14. What are the physiotherapy goals & management in a myasthenia gravis condition.
15. Describe the principles of application in PNF technique.

**SHORT ANSWER (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Define Bell's Phenomena.
17. Define any 2 abnormal reflexes seen in stroke.
18. Define Gower's Sign.
19. Define hold relax & contract relax technique.
20. Define Battle's Sign.
21. Define Apraxia.
22. List any 3 Physiotherapy management for Pressure sores
23. Write any 3 tests for coordination
24. Define Locked in syndrome.
25. Define Somatognosia.
26. Rhomberg sign and its significance
27. Define Brown-Sequard Syndrome

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**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 B7225**

**Physiotherapy in Women's Health (25 Marks)**

**LONG ESSAY**

**1 X 10 = 10 Marks**

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

**SHORT ESSAY**

**1 x 5 = 5 Marks**

2. Discuss therapeutic modalities in the treatment of labor and postpartum incisional pain.

**SHORT NOTES**

**5 x 2 = 10 marks**

3. Give two recommendations for mammogram
4. Explain PERFECT score
5. Explain FITT principle for Postnatal exercise
6. List the types of pelvic organ prolapse
7. Define Stemmer Sign

**Section B**

**Physiotherapy in Pediatrics (25 Marks)**

**Q.P. Code: B7226**

*(Use separate answer booklet for Section B)*

**LONG ESSAY**

**1 X 10 = 10 Marks**

1. Explain the developmental delay

**SHORT ESSAY**

**1 x 5 = 5 Marks**

2. Describe classification of cerebral palsy

**SHORT NOTES**

**5 x 2 = 10 marks**

3. Define syringomyelia.
4. Describe the need of therapeutic handling in NDT.
5. Examination of trigeminal nerve
6. Complication seen in Sensory system in child with cerebral palsy.
7. Describe sensory integration therapy.

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