



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Bachelor of Physiotherapy, (Semester-VII)

September 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 Marks

1. Define Stroke. Enumerate the risk factors and early warning signs of stroke. Add a note on TIA (3+3+4)
2. Explain the Physiology of hearing. Discuss the tests done to assess vestibular functions (5+5)
3. Discuss the etiology, pathophysiology, clinical features, and management of Multiple sclerosis (2+3+3+2)

Short essay 8 (any 6)

6x5 = 30 Marks

4. Explain Lacunar stroke
5. Explain the assessment of Autonomic nervous system
6. Explain Trigeminal neuralgia
7. write a note on causes, classification and clinical features of brain injury
8. Enumerate types and clinical features of hydrocephalus
9. Classify epilepsy. Discuss the medical management of epilepsy. (2+3)
10. Discuss about Wilson's disease
11. List any 3 disorders of NMJ. Add a note on Myasthenia Gravis (2+3)

Short answer 12 (any 10)

10x3 =30 Marks

12. List 3 differences between UMN & LMN lesion.
13. Mention 3 causes of ptosis
14. Mention 3 symptoms of radial nerve palsy
15. Define ballismus
16. Explain 2nd cranial nerve examination
17. Name three classical signs of Parkinson's disease
18. Describe Down syndrome
19. List and briefly explain any 3 perceptual disorders
20. Define Cerebral Palsy and list its types
21. What is Hydrocephalus? List its types
22. Mention 3 uses of lumbar puncture
23. Explain autonomic dysreflexia.



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**Bachelor of Physiotherapy, Semester-VII
September 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. Define multiple sclerosis. Write Motor assessment and Physiotherapy management of a 55 year old male with multiple sclerosis in since 2 years. (2+3+5)
2. 25 year old female diagnosed as complete spinal cord injury at T4-T5 since 6 months. Write the ASIA grading and management of the same. (5+5)
3. Define stroke and write the assessment and Physiotherapy management (acute & sub acute stage) of a 72 years old female with subarachnoid hemorrhage at left frontal lobe of brain. (2+4+4)

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Describe the respiratory management for a muscular dystrophy patient.
5. List the deviations observed in hemiplegic gait. What are the short term goals & management?
6. Describe the Physiotherapy management for muscular dystrophy in the wheel chair stage.
7. Enumerate the assessment of 7th cranial nerve.
8. How to perform higher mental function testing?
9. Write the Physiotherapy management for postural dysfunction in a parkinson's patient.
10. Enumerate the assessment and management of radial nerve injury.
11. List the problems in cerebellar ataxia & match it with Physiotherapy management.
12. Describe the long term goal & Physiotherapy management for Guillain-Barre syndrome.
13. Describe the indication & techniques of roods approach.
14. Explain the coordination test with equilibrium.
15. List few contraindication for Physiotherapy management in head injury subject. Describe the Physiotherapy management of a head injury subject with RLA stage 4&5.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. List the principles of application of PNF technique.
17. List the components of ULTT for radial nerve.
18. Define the principle of MRP.
19. Define any 2 abnormal reflex seen in stroke.
20. Define decorticate & decerebrate posture.
21. List the strategies to manage postural hypotension.
22. Explain gower's sign.
23. List the stages of voluntary control assessment.
24. List 3 advanced Physiotherapy techniques used in neurological conditions.
25. Define apraxia & its types.
26. What does A-Complete, B-Incomplete, C-Incomplete in ASIA impairment scale means?
27. List the strategies to improve fatigue in multiple sclerosis.



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)

LONG ESSAY

1 X 10 = 10 Marks

1. Explain the method of circumferential measurement for the left upper limb and prescribe an exercise regime for Grade 2 lymphedema

SHORT ESSAY

1 x 5=Marks

2. Explain PALM and prescribe an exercise for Total Abdominal Hysterectomy & Bilateral Salphingo Oophrectomy case

SHORT NOTES

5 x 2= 10 marks

3. Explain T score
4. Explain Pneumatic compression
5. Explain Positive Diastasis Recti Abdominis Management
6. Give 2 Stress urinary incontinence management
7. List four risk factors of urinary incontinence.

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 in detail about NDT intervention treatment principles in order with relevant example.

SHORT ESSAY

1 x 5=Marks

2. Explain the complication seen in Respiratory system.

SHORT NOTES

5 x 2= 10 marks

3. Classification of reflexes
4. Therapeutic effects of sensory integration therapy
5. Describe Palmer reflex.
6. Describe dystonia.
7. Describe the types of cerebral palsy.