

# SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

## Bachelor of Physiotherapy, Semester-VII

February-2020 Examination

Time: 2.30.Hrs.

[Max. Marks: 80]

### Clinical Neurology and Neuro Surgery

Q.P Code: PT119

*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 neurotmesis, axonotmesis and neuropraxia. Write a note on brachial plexus disorders. [3+7]
2. List the spinal tracts. Discuss the Etiology, clinical features and management of transverse myelitis. (2+2+3+3)
3. Describe the clinical features and management of amyotrophic lateral sclerosis. (5+5)

#### Short Essay (Answer any Six)

6 X 5 = 30 Marks

4. Discuss Mini-Mental State Examination (MMSE) and its interpretation. (3+2)
5. Explain Glossopharyngeal neuralgia
6. Describe medical and surgical management of stroke. (3+2)
7. Describe the clinical features and management of Friedreich's ataxia. (3+2)
8. Discuss the clinical types and clinical features of degeneration of spinal cord. (3+2)
9. Describe the clinical features and treatment of Parkinson's disease (3+2)
10. Explain the clinical features, investigations and treatment of Bell's palsy (2+1+2)
11. Discuss the causes, clinical features and management of Guillain-Barre syndrome. (1+2+2)

#### Short Answer (Answer any Ten)

10 X 3 = 30 Marks

12. Mention 3 signs of third cranial nerve palsy
13. Name 3 drugs used in Parkinson's disease
14. Mention 3 complications of VP stunts
15. Mention 3 causes of wasting of small muscles of hand.
16. List the types of multiple sclerosis.
17. Name three bacteria causing meningitis.
18. List three clinical manifestations of diabetic autonomic neuropathy
19. Name three clinical features of polymyositis.
20. Explain visual & optic reflex.
21. List 3 differences between UMN & LMN lesions.
22. What is dysphasia?
23. Define Chorea

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**Bachelor of Physiotherapy, Semester-VII  
February-2020 Examination.**

**Time: 3.00 Hrs.**

**[Max. Marks: 100]**

**Physiotherapy in Neurological Conditions**

**Q.P Code: PT120**

*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 multiple sclerosis. Write the assessment and physiotherapy management of a 55 year old male diagnosed with multiple sclerosis 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.(4+6)
3. Explain stroke. Describe the assessment and physiotherapy management of a 72 years old female with subarachnoid hemorrhage at left frontal lobe of brain in sub acute stage.(2+3+5)

**SHORT ESSAY(Answer any Ten)**

**10 X 5 = 50 Marks**

4. Describe the respiratory management for a muscular dystrophy patient.
5. List the deviations observed in hemiplegic gait. Enumerate the physiotherapy management for the same? (2+3)
6. Describe the Physiotherapy management for muscular dystrophy in the wheel chair stage.
7. Enumerate the assessment of 7<sup>th</sup> and 8<sup>th</sup> cranial nerve.(2.5+2.5)
8. How to perform higher mental function testing?
9. Write the physiotherapy management for postural dysfunction in a parkinson's patient.
10. Enumerate the physiotherapy assessment and management of radial nerve injury.(2+3)
11. List the clinical features in cerebellar ataxia & enumerate relevant physiotherapy management for the same.
12. Describe the long term goal & physiotherapy management for Guillain-Barre syndrome. (2+3)
13. Describe the indication & techniques of roods approach.
14. Describe the components & technique of dynamic Balance Assessment.(2+3)
15. List 4 contraindications for physiotherapy management in head injury subject. Describe the physiotherapy management of a head injury subject in RLA stage 4(1+4).

**SHORT ANSWER (Answer any Ten)**

**10 X 3 = 30 Marks**

16. List 3 principles of application of PNF technique.
17. List the components of ULTT for radial nerve.
18. Explain the principle of MRP.
19. Explain any 2 abnormal reflex seen in stroke.
20. Explain decorticate & decerebrate posture.(1.5+1.5)
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. Explain apraxia & its types. (1.5+1.5)
26. A-Complete, B-Incomplete, C-Incomplete : state the ASIA impairment scale interpretation?
27. List the strategies to improve fatigue in multiple sclerosis.

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**Bachelor of Physiotherapy (Semester-VII)**

**February – 2020 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: P121A**

**LONG ESSAY**

**1 X 10 = 10 Marks**

1. Describe the physiotherapy assessment of a women aged 45 years with a history of hysterectomy a month back developed urge incontinence.

**SHORT ESSAY**

**1 X 5 = 5 Marks**

2. Describe rectal sensitivity training.

**SHORT NOTES**

**5 X 2 = 10 marks**

3. List the ergonomic advice given for feeding in postnatal mother.
4. Explain the physiological response of faradic current in lymph edema.
5. What does 'E' stand for on PERFECT scale.
6. list 4 causes for bowel incontinence
7. Manometry

**Section B**

**Physiotherapy in paediatrics (25 Marks)**

**Q.P. Code: P121B**

*(Use separate answer booklet for Section B)*

**LONG ESSAY**

**1 X 10 = 10 Marks**

1. Define down's syndrome. Explain the role of physiotherapy in Down's syndrome. (3+7)

**SHORT ESSAY**

**1 X 5 = 5 Marks**

2. Describe the need and importance of therapeutic handling in NDT

**SHORT NOTES**

**5 X 2 = 10 marks**

3. Moro reflex
4. List 4 therapeutic effects of CIMT
5. Define primitive reflexes
6. List 4 common screening tools used in Pediatric examination
7. list 4 common clinical features of cerebral palsy

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