

22- An injury of one of the following roots of brachial plexus in Erb's palsy :

- A. from C5 to T1
- B. T1 & T2
- C. C8 & T1
- D. C5 & C6

23- Which one of the following muscles marks bilateral weakness and makes walking extremely difficult and necessitates the aid of crutches ?

- A. tensor fasciae latae
- B. gluteus maximus
- C. hamstring
- D. gluteus medius

24- Which of the following electrical currents are NOT satisfactory for the stimulation of the muscles :

- A. direct interrupted long duration
- B. faradic type current
- C. TENS
- D. galvanic direct current

25- Wax bath are available in many variations of size and shape. The melted wax needs to be maintained at a temperature of :

- A. 30 to 35 degrees
- B. 40 to 44 degrees
- C. 45 to 50 degrees
- D. 50 to 53 degrees

26- A patient with chronic back pain has been referred to a physical therapist for TENS. Once the therapist turns on the current, the patient experiences severe discomfort in the lumbar spine. The MOST appropriate therapist action to :

- A. decrease the pulse frequency
- B. turn off the current
- C. Change the pulse form
- D. increase the pulse width

27- Pulsed electromagnetic fields are very safe as there is no danger of thermal injury. But caution should be exercised in treatment of a patient with :

- A. sinusitis
- B. phlebitis
- C. capsule lesion
- D. cardiac pacemaker and pregnant women

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54- A patient recently referred to a therapist with a new above knee prosthesis for gait training. The patient complains of severe pain at the distal end of the stump after the first day of training. The MOST appropriate therapist is to:

- C
- A. direct the patient to wear the prosthesis at all times because the body will eventually get to it
 - B. direct the patient to make an appointment with the prosthesis and continue to wear orthosis until that time
 - C. direct the patient not to wear the prosthesis until modifications are made
 - D. direct the patient to make an appointment with the physician

55- Phantom limb is one of the complication that usually occur after one of the major operations this major surgery is called :

- C
- A. tendon release
 - B. meniscectomy
 - C. amputation
 - D. laminectomy

56- A 32 year old patient with a history of chronic pain in the left shoulder is referred to a physiotherapist. On examination all range of movement limited. During examination the patient moves the shoulder passively with in pain free range while the patient's eyes are closed. The patient is then asked about the direction and approximately the degree of the passive movement the aim of examination is to test :

- C
- A. pain
 - B. range of motion
 - C. proprioception
 - D. light touch

57- A 45 year old patient with parkinsons disease has been referred for physical therapy and mobility exercise. Which of the following exercise programs is the best for this patient ?

- C
- A. strengthening of the weak elongated extensors and stretching of the rigid flexors
 - B. strengthening of the weak elongated flexors and stretching of the rigid extensors
 - C. strengthening of both flexors and extensors
 - D. isometric exercise training

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