



**PV-10604**                      Seat No. \_\_\_\_\_  
**Final Year B. P. T. Examination**  
**July – 2018**  
**Physiotherapy and Rehabilitation Therapy**

Time : 2 Hours]

[Total Marks : 50

**Instructions :**

- Write legibly
- Draw diagrams where necessary
- Figures to the right indicate marks

**1** Answer any **two** from the following : **20**

1. Describe the transtibial prosthesis and its components. Describe the static evaluation of transtibial prosthesis.
2. Describe various types of ankle foot orthoses with suitable examples.
3. Write about types of shoe, its parts and various shoe modifications for musculoskeletal conditions.

**2** Answer any **two** from the following : **10**

1. Describe about the role of Physiotherapist in disaster management.
2. Principles Community based rehabilitation.
3. SOAP format documentation in Physiotherapy.

**3** Answer any **five** from the following : **10**

1. Applications of Jaipur foot.
2. Orthoses for wrist drop.
3. Enumerate knee mechanisms for transfemoral prosthesis.
4. Enumerate terminal devices for upper extremity prosthesis.
5. Orthoses for medial collateral ligament injury of the knee.
6. Enumerate orthoses for scoliosis.

4 Multiple Choice Questions :

10

1. Which of the following is most appropriate for a patient with right hip osteoarthritis?
  - a. Use of soft sole shoe on right side
  - b. Use of cane on left side
  - c. Use of Hinge knee brace on right side
  - d. Use of Hip abduction brace on right side
  
2. Which of the following is most common after transtibial amputation ?
  - a. Genu valgum
  - b. Foot drop
  - c. Hip extension contracture
  - d. Knee flexion contracture
  
3. Impairment is defined as .....
  - a. Loss of Anatomical, Physiological Structure or Function in a human being
  - b. Lack of Ability to Perform an Activity considered Normal for a Human Being
  - c. Inability to Perform Family or Social Role
  - d. None of the above statement
  
4. A worker is employed in a job of loading and transferring a load. What would be a sound biomechanical advice for the prevention of backache ?
  - a. To decrease the load in the cart and push it.
  - b. To quit the job.
  - c. To load the cart and pull it.
  - d. To carry the load on the back and stop using a cart.
  
5. Medial heel wedge is recommended for the correction of \_\_\_\_\_
  - a. Hind foot pronation
  - b. Equinus foot
  - c. Hind foot supination
  - d. CTEV

6. A patient complaints of bilateral heel pain. The therapist may prescribe all of the following except .....
    - a. High heel footwear
    - b. Metatarsal bar
    - c. Soft sole footwear
    - d. Heel cushion  7. Single lateral bar KAFO with T-strap is given for correction of \_\_\_\_\_
    - a. Genu valgum
    - b. Genu recurvatum
    - c. Genu varum
    - d. Knee flexion deformity  8. The first member of CBR team is
    - a. Physician
    - b. Surgeon
    - c. Physiatrist
    - d. Patient  9. Trendelenberg's gait is due to .....
    - a. Gracillis weakness
    - b. Gluteus maximus tightness
    - c. Gluteus medius weakness
    - d. TFL tightnesss  10. Pistoning action during walking in a patient with transtibial prosthesis is suggestive of
    - a. Inefficient suspension mechanism
    - b. Abnormal ankle joint mechanism
    - c. Quadriceps weakness
    - d. Pain on weight bearing
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