



4TH NATIONAL ABILITYMPICS - 2014 CHANDIGARH

VOCATIONAL SKILLS CONTEST

ABOVE 15 YRS.

V01 – ARTIFICIAL LIMB MAKING

1. OBJECTIVE

This contest aims at providing the contestants an opportunity to demonstrate their technical competence in making Artificial Limb Socket for a below knee amputee.

2. TASK

The contestants will be required to:

1. a) Take cast and measurement of the stump
b) Modify and make positive mould by filling P.O.P. powder.
2. Laminate the positive mould
3. a) Trim, cut and finalise the socket
b) Fitment and trial on the amputee

3. SPECIAL INSTRUCTIONS

- The task will be divided into three parts over a period of three days

4. MATERIALS

The organisers will provide the following materials to the contestants at the contest site:

- Stockinette
- POP Bandage
- Marking Pencil
- POP Powder
- Modification & cutting tools
- PVC Film
- Carbon fibreglass
- Araldite resin and hardener

5. TOOLS & EQUIPMENTS

- All the required materials tools and equipment will be provided.

Note: Contestants can bring their own tools but the list of tools must be presented to the convenor for approval before the contest.

6. WORK ENVIRONMENT

- Work table
- Chair/Stool
- Proper lighting arrangement
- Vice

7. ALLOCATED TIME

Maximum time : 9 hours in three sessions of 3 hours each.

8. EVALUATION CRITERIA

Assessment of the skill of the participants will be based on the following criteria :

Items to be Evaluated	Maximum Marks Allotted
Casting impressions	10
Neatness	05
Verification of pressure relieving areas	10
Pressure distributing areas	10
Fitment on Stump	25
Comfort & Functionality	20
Cosmetic Appearance	20
Total Marks	100