



# *7<sup>th</sup> International Abilympics*

## *Vocational Skills Contest*

### **V9. Dental Techniques**

#### **1. Task**

Task1:

Make an arrangement of artificial teeth and gingivoplasty for a complete denture prosthesis using the upper and lower edentulous jaw model (cast).

Task 2:

Develop a wax pattern for two dental crowns and a three-tooth bridge.

#### **2. Allocated time:**

Maximum 5 hours

#### **3. Instructions**

- (1) Contestants are not allowed to lend or borrow materials, tools, etc., during the contest.
- (2) A contestant who has trouble with or a malfunction in equipment used shall notify the judge immediately.
- (3) Contestants shall notify the judge when they have finished the task.

#### **4. Materials to be provided**

Task 1

- (1) A set of biteplates for the upper and lower teeth installed in the articulator
- (2) Artificial upper and lower front teeth
- (3) Artificial upper and lower molars
- (4) Paraffin wax: 2 sheets
- (5) Articulating paper: 2 sheets each of red and blue
- (6) Dental towel: 2 towels

Task 2

- (1) Model for contest, installed in the articulator
- (2) Inlay wax: 4 sticks
- (3) Wax separating agent: 1 bottle
- (4) Dental towel: 2 sheets
- (5) Rubber dam: 1
- (6) Articulating Paper: 2 each of red and blue

5. Equipment and tools to be prepared on site

Items	Qty	Remarks
Work table	1	Approx. 60cm x 180cm
Chair	1	On casters
Laboratory burner	1	With gas cylinder for filling
Mini torch	1	
Air cylinder	1	
Desk lamp	1	Range between 60 and 100W
Micro engine	1	
Trio Pot (electric wax heater)	1	
Carborundum Points	5 types	
Carbide Burs	1	

6. Items to be brought by each contestant

Items	Remarks
A set of instruments for forming wax	Wax spatula, chisels, etc.

(Note) Contestants who wish to bring their own tools including those listed in 6 above are requested to prepare a list of such tools and present it to the organizer for approval in advance. The organizer reserves the right not to allow the use of any tools that are considered to give the contestant an unfair advantage.

**7. Evaluation Criteria**

The skills of each contestant will be assessed based on the final work produced.

Items to be evaluated		Maximum marks allotted
Task 1	Overall appearance	10
	Balance	10
	Functionality	20
	Self-cleansing	10
	Sub-total	50
Task 2	Shape (balance)	20
	Dental articulation	20
	Fitting	10
	Sub-total	50
Total		100