



Skill India
कौशल भारत - कुशल भारत



Sample Test Project

District / Zonal Skill Competitions

Skill- Jewellery Design

Category: Creative Arts and Fashion

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Section - A

A. Preface

Skill Explained:

Jewellery Designer works with precious metals with precision, work economically and avoid wasting material. The work is intricately detailed and requires high level of skill, focus and concentration. The work with very delicate tools hence need to be handled with care. The competitor skill is checked in skills of swing, soldering and surface finish.

Eligibility Criteria (for IndiaSkills 2018 and WorldSkills 2019):

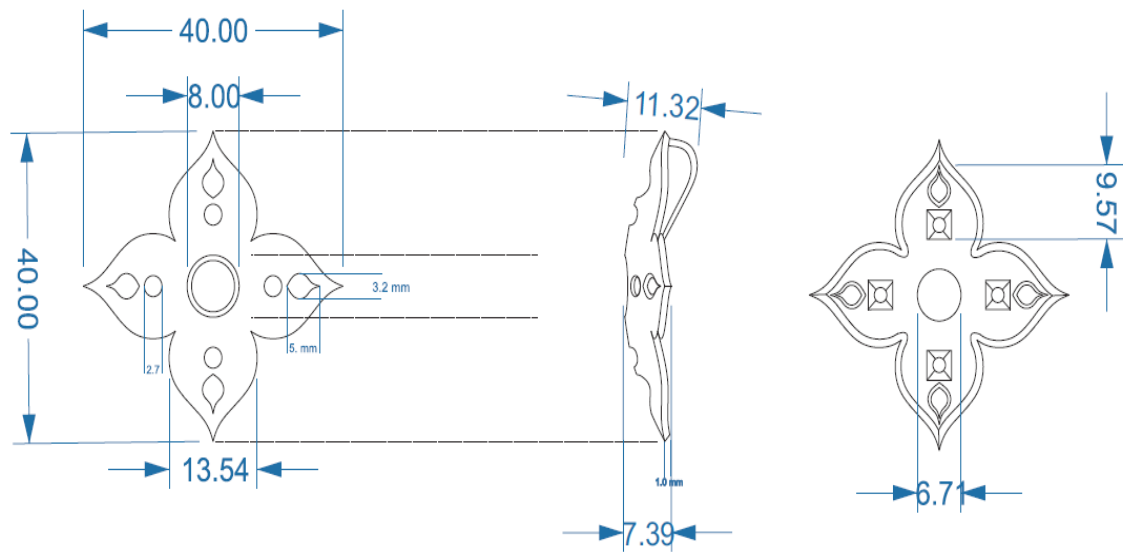
Competitors born on or after 01 Jan 1997 are eligible to attend the Competition.

Total Duration: 5 Hrs

Section - B

B. Test Project

Module-1



Technique—Sawing, Bending, Filing, Drilling, Soldering, Finishing.

Section – C

C. Marking Scheme

Marking Scheme: The Assessment is done by awarding points by adopting two methods, Measurement and Judgments

- Measurement – One which is measurable
- Judgments - Based on Industry expectations

Aspects are criteria's which are judged for assessment

Measurement is used to assess accuracy, precision, and other performance which can be measured in unambiguous way.

Judgment is used to assess the quality of performance, about which there may be small differences of opinion

The scores from 0 to 3 are awarded for conformity with industry standards (score 1 stands for 1/3 and score 2 for 2/3 of the maximum mark allotted for the criterion).

- 0: performance below industry standard to any extent, including a non-attempt
- 1: performance meets industry standard
- 2: performance meets industry standard and surpasses that standard to some extent
- 3: excellent or outstanding performance relative to industry's expectations

Example-Judgment Marking

If maximum marks for Judgment criteria is 1 and if all 3 Experts (Juries) give 3 points to a candidate, the candidate will get 1 mark for that aspect. If 2 Experts give 3 and 1 Expert gives 2 points, then candidate will get $(3+3+2)/9*1 = 0.89$ marks for that aspect out of 1 mark.

Marking Form

Criteria	Similarity to Drawing 30 marks	Judgment Marking				
	Aspect	Marks	J1	J2	J3	Average
	Front View	10				
	Back View	10				
	Side View	10				
Criteria	Sawing 20 marks	Judgment Marking				
	Aspect	Marks	J1	J2	J3	Average
	Front View	10				
	Back View	10				
Criteria	Soldering 10 marks	Judgment Marking				
	Aspect	Marks	J1	J2	J3	Average
	Top loop soldering	5				
	Bottom loop soldering	5				
Criteria	Surface finish 10marks	Judgment Marking				
	Aspect	Marks	J1	J2	J3	Average
	Front finish	5				
	Back Finish	5				
Criteria	Dimension 20 marks	Measurement Marking				
	Aspect	Marks	J1	J2	J3	Average
	Overall length 40mm	10				
	Front middle circle diameter 8mm	5				
	Back middle circle diameter 6.71mm	5				
Criteria	On time finishing 10 marks	Measurement Marking				
	Criteria	Marks	J1	J2	J3	Average
	On time finishing 10 marks	10				

Section - D

D. Infrastructure List

- Workshop Installation-Tools & Equipment positioned by Organizers.
- Tool Kit-Tool & Equipment allowed to be brought by competitors for competitions

Sr. no	Workshop Installation-Items	Quantity
1	Rolling mill	1
2	Wire Drawing bench	1
3	Micro motor	1
4	Pickling Pot	1
5	Working table with Chair	1
6	Table lamp	1
7	Grinder	1
	Tool Kit Items	
1	Set of Hand files	1 set
2	set of Needles files	1 set
3	Hammer	2
4	steel block	1
5	saw frame	1
6	set of pliers	1 set
7	Square	1
8	marking tool	1
9	measuring rule	1
10	Divider	1
11	soldering tweezers	2
12	Soldering Torch	1
13	soldering block	1
14	Clear Protection eye glass	1
15	Engraver	1 set
16	Scraper	1
17	Magnifying Glass	1
18	Magnet	1
19	Vernier Calliper	1

S No	Consumables-Items	Quantity
1	Saw Blades 4/0,6/0,8/0	1 dozen each
2	Modelling Wax	one block
3	soldering Flux	1 bottle
4	Heat resistant paste	
5	set of sand paper 600,800	2 each
6	Drills (0.5 to 2mm)	5 pieces each

7	Round burrs	
8	Plaster	500 gms
9	Iron binding wire	one roll
	Material Silver	Sterling Silver-925
1	Sheet 1.2mm (thickness)	50*50mm
2	Diameter wire -0.8mm	300 mm
3	Diameter wire -0.6 mm	300mm
4	Medium solder	1gm

Section – E

E. Instructions for candidates

- Interpret engineering drawings and follow the specifications
- All must have clear understanding of the drawing and the task before commencement

Section – F

F. Health, Safety, and Environment

1. All accredited participants, and supporting volunteers will abide by rules and regulations with regards to Health, Safety, and Environment of the Competition venue.
2. All participants, technicians and supporting staff will wear the required protective Personnel clothing. The shoes worn must be covered at the toe
3. Provision of running water be available near the workstations.
4. All participants will assume liability for all risks of injury and damage to property, loss of property, which might be associated with or result from participation in the event. The organizers will not be liable for any damage, however in case of Injury the competitor will immediately inform the immediate organizer for medical attention.