**STATE SKILLS COMPETITION**

**TEST PROJECT: SAMPLE**

**SKILL: CARPENTRY - 26**

**Skill-CARPENTRY**

**Skill Explained**

Carpentry includes the production and Installation of structure framing. The Carpenter can read and interpret drawings, carry out the set out, measure, cut form joints, assemble, install and finish the assigned job to meeting the desired standards by working on the issued guidelines

The artifact is named as Carpenter. It includes face, case and frame. The frame has a small structure showing wall, both wall connected from corner and with 2 hip roof. Description of skill Carpentry covers the setting out and construction of wooden roof structures and other wooden structures of conventional and modern design

**Eligibility Criteria**- Competitors born on or after 01 Jan 1997 are only eligible to attend the Competition

**Duration of Test project- 6 hours**

**Preface**

**Section A**-Test Project

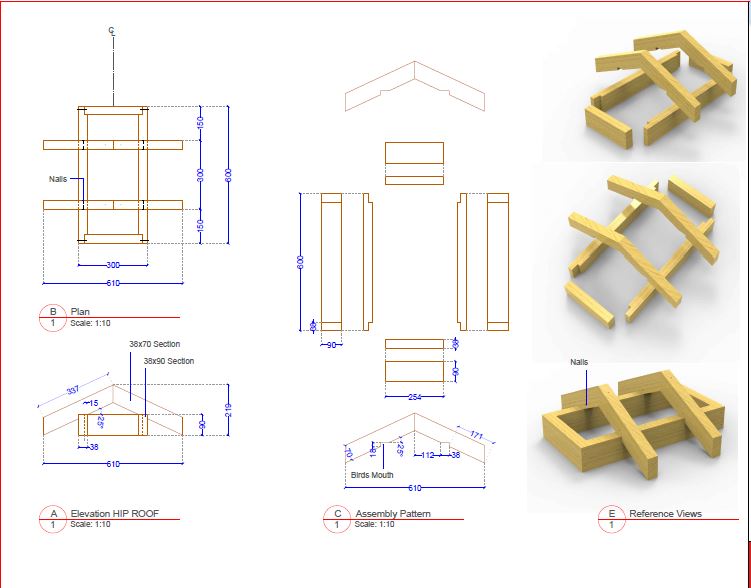
**Section B**-Marking Scheme

**Section C**-Infrastructure List (Tool and equipment including raw material)

**Section D-** Instruction for Competitors

**Section E**- Health, Safety and Environment

**Section A**

**Dimensions of Structure**

**Instructions for Competitors – 15 Minutes**

Working Instructions

* After face marking and setting out of the case competitors must bring them to the experts for marking.
* Before gluing, must present the frames to the experts for marking
* Hand tools can be utilized for finishing your work.
* The competitors must keep track of the time by themselves.
* The timing will be stop by experts, only in cases of illness and accidents.
* The maximum working time is 6 hrs.

**Section B**

**Marking Scheme**

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

Measurement –One which is measurable, is used to assess accuracy, precision, and other performance which can be measured in a robust way. It is used where there should be no ambiguity.

Judgments-Based on Industry expectations is used to assess the quality of performance, for which there may be small differences of view when applying the external benchmarks.

**Measurement** is used to assess accuracy, precision, and other performance which can be measured in unambiguous way. Mark is awarded in full for a dimension with in tolerance and zero when it is out of tolerance.

**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 (2+2+1/9)\*1 = 0.55 marks for that aspect (out of 1).

**Aspects are criteria’s which are judged for assessment**

M**arking**

|  |  |  |  |
| --- | --- | --- | --- |
| Main criteria | Judgment | Measurement | Total |
| Main dimensions |  | 30 |  |
| Conforming od Drawing and joints | 50 | 10 |  |
| Assembly |  |  |  |
| Surface finish and material | 10 |  |  |
| Grand Total | 60 | 40 | 100 |

## 

## **Marking scheme**

**Section-C**

Workshop Installation-Tools & Equipment positioned by Organizers

Tool Kit-Tool & Equipment allowed to be brought by competitors for competitions

All equipment and material will be provisioned by the Organizers at site including raw material;

Pine wood.

**Section D**

**Working Instructions to Competitors**

For Construction of the task;

* After face marking and setting out of the case competitors must bring them to the experts for marking.
* Before gluing, must present the frames to the experts for making.
* The surface should be fit for the polishing.
* The competitors must keep track of the time by themselves.
* The timing will be stop by experts, only in cases of illness and accidents.
* Your own measuring equipment rulers etc. Can be available after finishing your test for controlling of the measurements.

**Section E**

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.

3. 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.

**Section F**

**Infrastructure List**

1. Firmer chisel
2. Mortise chisel
3. Hand saw
4. Try square
5. Bevel square
6. Mortise gauge
7. Mallet
8. Nails
9. Glue

**Material list**

1. Sides 600x90x38 2nos. pine wood
2. Front & back 254x90x38 2nos. pine wood
3. Top 337x70x38 4nos. pine wood

**Project Timings- 6 Hours**

|  |  |  |
| --- | --- | --- |
| 10.00 – 10.15 Am | Brief about the project, process, tools, safety Cleanliness & Time slot | 15 Minutes |
| 10.15 – 12.15 Pm | Start of competition – Drawer front & Side without Glue | 2 Hours |
| 12.15 – 12.30 Pm | Tea Break (depending on the numbers of candidates) | 15 minutes |
| 12.30 – 1.30 Pm | Drawer front &Bottom base | 1 Hour |
| 1.30 – 2.00 pm | Lunch | 30 Minutes |
| 2.00 – 4.00 Pm | Drawer Side and finished product. | 2 Hours |
|  | **Total** | **SIX HOUR PROJECT** |

**PPE \_ Safety Rules**

All candidates to follow safety rules – Safety Shoes, Ear Plugs, Nose mask, Safety googles. Fire Extinguisher at the Competition Site.

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