**SELF- ASSESSMENT GUIDE**

**Qualification:** PYROTECHNICS NC II

**Project:** MAKE FIRECRACKERS

**Instruction:**
- Read each of the questions in the left-hand column of the chart.
- Place a check in the appropriate box opposite each question to indicate your answer.

<table>
<thead>
<tr>
<th>Can I?</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Prepare specifications and quantity of chemicals based on production requirements*</td>
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<tr>
<td>• Identify sources/suppliers of chemicals for procurement*</td>
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<tr>
<td>• Procure chemicals in accordance with legal and other statutory requirements*</td>
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<tr>
<td>• Identify and label all chemicals in sealed container/ packaging*</td>
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<tr>
<td>• Store chemicals in warehouse/storage magazine or in separate designated location*</td>
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<tr>
<td>• Secure chemical materials from rain or excessive heat during storage*</td>
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<tr>
<td>• Clean up and make the storage area safe in accordance with OH&amp;S requirements*</td>
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<tr>
<td>• Demonstrate knowledge on product chemical manual</td>
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<tr>
<td>• Secure work instruction from appropriate personnel*</td>
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<tr>
<td>• Mix flour/starch with water and preservative based on the desired concentration*</td>
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<tr>
<td>• Boil mixture to desired consistency*</td>
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<tr>
<td>• Scrape end of chipboard paper to desired thickness prior to rolling*</td>
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<tr>
<td>• Apply appropriate thin film of paste to paper*</td>
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</table>
- Roll paper into cylindrical container
- Dry rolled paper into cylinder tube to desired condition/quality
- Wrap pyrotechnic products using specified wrapping materials
- Perform wrapping in accordance with established wrapping procedures and safety precautions
- Attach label to wrapper for marketability, instruction and proper use of pyrotechnics
- Dry wrapped loaded containers based on product specification
- Pack, bundle and properly label wrapped loaded containers according to specification
- Transport and store wrapped loaded containers in warehouse
- Select and check specific type of container based on product requirement
- Select and check chemical mixture and proportions based on fireworks quality requirements
- Load mixed composition in container following loading procedures
- Perform loading using appropriate tools and equipment and with minimum wastage
- Install safety fuse according to product standard
- Test initial loaded mixture to desired performance and based on product requirements
- Correct deficiencies based on test performance
- Prepare black powder from recommended raw materials
- Weigh and measure fuse ingredients in accordance with pyrotechnic product safety fuse specifications
- Pound/sieve chemical ingredients into desired mesh size
- Mix chemicals using wet process following safety and quality requirements.*
- Dip/soak cotton string or paper in mixture in accordance with established procedures.*
- Dry, wrap and cut the soaked string into pieces based on desired specifications.*
- Test sample safety fuse according to job requirements.*
- Store finished safety fuse in designated location in accordance with safety procedures.
- Prepare container in accordance with product requirements.*
- Fold paper container in accordance with specifications.*
- Perform weighing using appropriate weighing scale.*
- Identify appropriate chemicals for safety fuse/firecrackers in accordance with product and safety requirements.*
- Weigh and measure chemicals in accordance with recommended ration and proportion.*
- Sieve chemicals using appropriate mesh sieving screen before and after mixing them.*
- Test mixed chemicals according to desired performance.*
- Perform loading of chemical mixture based on product requirements.
- Sun-dry firecracker products in accordance with established drying procedures.
- Respond to unexpected situations in accordance with company rules and regulations.*

I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.

| Candidate’s Name: | Date: |