



Trade Testing in Jewellery- Assessment Criteria

Competence: Jeweller

Level: Technician

Interview

During the interview the candidate will be assessed on the following competencies:

- Use and care of hand tools and power tools.
- Principles of construction, operation and maintenance of common machines for jewellery making.
- Health and Safety standards and precautions.
- Principles of alloying precious metals.
- Converting weights and temperatures, calculating length of ring shanks, bangles, etc.
- Hammering, sawing, filing, melting, soldering, chasing, repouse, engraving and carving techniques.
- Stone setting techniques.
- Process and use of electrolysis.
- Principles of refining methods.
- Mould making, wax injection and model making.
- Methods and processes of Traditional Filigree.
- Work experience.
- Laws and Regulations of the Goldsmiths and Silversmiths Act.

The candidate is required to present a CV and a portfolio of his/her works, an appropriate design of the final jewellery piece to be produced for the Practical Examination. Must have at least 3 years working experience in the trade.

Theory

Duration: 2 hours

Section A: 25 short questions- 1 mark each

Section B: Choose 5 from 6 questions- Paragraph Format- 15 marks each

Section A focuses on:

- Use and care of hand tools and power tools.
- Principles of construction, operation and maintenance of common machines for jewellery making.
- Safety standards and precautions.
- Principles of alloying precious metals.
- Converting weights and temperatures, calculating length of ring shanks, bangles, etc.
- Hammering, sawing, filing, melting, soldering, chasing, repousse, engraving and carving techniques.
- Manufacture of mountings and jewellery accessories.
- Methods of fastening and attachment.
- Methods of finishing and polishing of gold and silver jewellery.
- Production processes such as rolling, blanking, tube making and casting.
- Stone setting techniques.
- Process and use of electrolysis.
- Principles of refining methods.
- Mould making, wax injection and model making.
- Methods and processes of Traditional Filigree.
- Silversmithing.

Section B focuses on:

- Stone setting techniques
- Process and use of electrolysis
- Principles of refining methods
- Mould making, wax injection and model making
- Methods and processes of Traditional Filigree
- Silversmithing

Practical

The practical test will take around 18 hours and will be spread over 3 days.

Starting from the initial stage of melting the candidate will be required to create a finished item of his preference after having consulted and agreed with the Trade Testing Board during the Interview. The candidate will be required to focus on more than one specific techniques being:

Jewellery Manufacturing Processes and Techniques.

Stone setting techniques.

Mould making, wax injection and model making.

Methods and processes of Traditional Filigree.

Silversmithing.

The candidate will be assessed on the quality of the finished product, methods of manufacturing, techniques used and health & safety awareness.

The candidate will be awarded the *Certificate of Competence as a Jeweller at Technician Level* if a pass mark in all components is achieved.