



ASSESSMENT MATERIAL

EVIDENCE GUIDE

Qualification

Gemology

CS Code: 0214G&J4 C

Level: 03

Credit: 20

Version: 1

DIFFERENTIATE BETWEEN NATURAL, TREATED, IMITATION AND SYNTHETIC GEMSTONE

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ASSESSMENT AND ASSESSOR DETAILS

Competent

☐

Not Yet Competent

☐

Assessment

☐

Re-Assessment

☐

Assessor's Name:

Assessor's Code

Assessor's Signature..... Date

DD		MM		YYYY					

CANDIDATE DETAILS

Candidate's Name:

First Name Last Name

Father's Name

Institute Name and District

CNIC/ BFORM #

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Registration Number issued by Assessment Body

Gender

Male ☐ Female ☐ Transgender ☐

Candidate's Consent

I agree to the time and date of the assessment and am aware of the requirements of the assessment. I fully understand my rights of appeal.

Candidate's Signature:

ASSESSMENT RESULTS SUMMARY FORM

You can use this cover sheet as an *Assessment Results Summary Form*. Simply post a photocopy of this completed coversheet to **NAVTTTC**

NAVTTTC OFFICE ONLY

1. DATE FORM RECEIVED:

DD		MM		YYYY					

2. DATE ENTERED INTO DATABASE:

DD		MM		YYYY					

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ASSESSMENT SUMMARY & RECORD

Candidate's Name:..... Father's Name:.....							
ACTIVITY	METHOD				DESIRED OUTCOMES	RESULT	
NATURE OF ACTIVITY	WRITTEN	ORAL	PORTFOLIO	OBSERVATION	DESIRED OUTCOMES FOR SUCCESSFUL ASSESSMENT OF COMPETENCY STANDARD: DIFFERENTIATE BETWEEN NATURAL ,TREATED, IMITATION AND SYNTHETIC GEMSTONE	COMPETENT	NOT YET COMPETENT
Practical Skill Demonstration	✓	✓		✓	Perform role play for Differentiate between natural ,treated, imitation and synthetic gemstone		
Knowledge Assessment	✓	✓			Answer any questions your Assessor may have during the practical assessment		
Other Requirement					NA		

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CANDIDATE ASSESSMENT

Candidate's Name:..... Father's Name:.....

ALL WORK ASSESSED IN THIS COMPETENCY STANDARD MUST BE YOUR OWN WORK.

GUIDANCE TO CANDIDATE

To meet this standard you are required to perform within **150 Minutes** timeframe:

- **PERFORM A ROLE PLAY TO DEMONSTRATE, DIFFERENTIATE BETWEEN NATURAL ,TREATED, IMITATION AND SYNTHETIC GEMSTONE:**
 - ✓ Identify Natural gemstone on basis of inclusions
 - ✓ Identify Treated gemstone on basis of inclusions
 - ✓ Identify Imitation/Assembled gemstone on basis of inclusions
 - ✓ Identify Synthetic gemstone on basis of inclusions

Important Note: The following general performance criteria will be followed and performed in all the tasks (where applicable) by the candidate in order to meet this standard.

- ✓ Follow health and safety procedure as per the requirements of given task
- ✓ Prepare work station as per the requirements of task
- ✓ Select tools/ equipment as per the requirements of task
- ✓ Report to supervisor in case of any contingency after taking necessary actions
- ✓ Complete the work by following sequence of operations
- ✓ Perform task(s) within standard timeframe

ACTIVITIES	CANDIDATE RESPONSE
1. Complete practical task in Differentiating between natural ,treated, imitation and synthetic gemstone	During Practical assessment under observation by an assessor, I will correctly carry out the following task. • IDENTIFY NATURAL GEMSTONE ON THE BASIS OF INCLUSIONS ✓ Adjust gemological microscope ✓ Observe the inclusions under different lighting techniques (bright, dark, reflected, diffused) ✓ plot a sketch of inclusions as per observations • IDENTIFY TREATED GEMSTONE ON BASIS OF INCLUSIONS ✓ Adjust gemological microscope ✓ Observe the inclusions under different lighting techniques (bright, dark, reflected ,diffused) ✓ plot a sketch of inclusions as per observations • IDENTIFY IMITATION/ ASSEMBLED GEMSTONE ON BASIS OF INCLUSIONS ✓ Adjust gemological microscope ✓ Observe the Imitation/Assembled inclusions under different lighting techniques (bright, dark, reflected ,diffused) ✓ plot a sketch of inclusions as per observations • IDENTIFY OF SYNTHETIC GEMSTONE ON BASIS OF INCLUSIONS ✓ Adjust gemological microscope ✓ Observe the Synthetic inclusions under different lighting techniques (bright, dark, reflected ,diffused) ✓ plot a sketch of inclusions as per observations
2. Answer any questions your Assessor may have during the practical assessment	My answers to questions are correct and demonstrate my understanding of the topics and their application:

Candidate's Name: Father's Name:

INSTRUCTIONS FOR ASSESSOR

This section contains minimum evidence requirements. Oral questioning may be used to clarify candidate understanding of the topic and its application.

ACTIVITIES	MINIMUM EVIDENCE REQUIRED	YES	NO	ASSESSOR COMMENTS
1. Complete practical task in performing gemstone Differentiate between natural ,treated, imitation and synthetic	During a practical assessment under observation by and assessor, the candidate correctly carried out the following tasks:			
Identification of Natural gemstone on basis of inclusions	Adjust gemological microscope			
	Observe the inclusions under different lighting techniques (bright, dark, reflected, diffused)			
	Plot a sketch of inclusions as per observations			
Identification of Treated gemstone on basis of inclusions	Adjust gemological microscope			
	Observe the inclusions under different lighting techniques (bright, dark, reflected ,diffused)			
	Plot a sketch of inclusions as per observations			
Identification of Imitation/Assembled gemstone on basis of inclusions	Adjust gemological microscope			
	Observe the Imitation/Assembled inclusions under different lighting techniques (bright, dark, reflected ,diffused)			
	Plot a sketch of inclusions as per observations			
Identification of Synthetic gemstone on basis of inclusions	Adjust gemological microscope			
	Observe the Synthetic inclusions under different lighting techniques (bright, dark, reflected ,diffused)			
	Plot a sketch of inclusions as per observations			

2. Answer any questions their Assessor may have during the practical assessment	Candidate answers to questions are correct and demonstrate Understanding of the topics and their application. <i>Assessor to document all questions asked and candidate Answers below. Use extra sheets if required and attach.</i>			
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LIST OF TOOLS, EQUIPMENT, MATERIAL AND CONTEXT OF ASSESSMENT

INSTRUCTIONS	This section contains information regarding; - Context of the assessment - List of required tools and equipment. - List of consumable items required during the service
1. Context of Assessment	This task will be performed in real time environment

2. List of tools and equipment required		
S. No	Name of Items (tools and equipment)	Quantity
01	Microscope	
02	Tweezers	
03	Loupe(10x)	

3. List of consumables		
S. No	Name of Items	Quantity/Volume
01	Drawing sheets/ Paper	
02	Gemstone sample	
03	Pen and Pencil	