



ASSESSMENT MATERIAL

EVIDENCE GUIDE

Qualification

Gemology

CS Code: 0214G&J4 A

Level: 3

Credit: 10

Version: 01

ASSESS PHYSICAL PROPERTIES OF GEMSTONES

CONTENTS

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ASSESSMENT AND ASSESSOR DETAILS

Competent

☐

NotYetCompetent

☐

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: ASSESS PHYSICAL PROPERTIES OF GEMSTONE	COMPETENT	NOT YET COMPETENT
Practical Skill Demonstration	✓	✓		✓	Perform role play for Assess Physical Properties of 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, Assess Physical Properties of Gemstone :**

- ✓ Identify Color of stone
- ✓ Identify Cut of stone
- ✓ Assess Transparency of stone
- ✓ Identify the crystal system
- ✓ Assess Clarity of stone
- ✓ Perform Hardness test
- ✓ Calculate the Specific Gravity of stone with Hydrostatic Balance

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 Assessing the Physical Properties of Gemstone	During Practical assessment under observation by an assessor, I will correctly carry out the following task. • IDENTIFY COLOR OF STONE ✓ Identify Hue(body color) of stone ✓ Identify tone of stone ✓ Identify saturation of stone • IDENTIFY CUT OF STONE ✓ Identify Cut of stone ✓ Identify Symmetry cut of stone ✓ Measure the dimensions of the cut stone • ASSESS TRANSPARENCY OF STONE ✓ Check the transparency of stone and mark as transparent, translucent or Opaque • ASSESS THE CRYSTAL SYSTEM ✓ Check and identify the crystal system of stone with the help of dummy samples • PERFORM HARDNESS TEST ✓ Check the Hardness of rough stone by using Moh's Hardness kit ✓ Identify the stone on the basis of hardness • PERFORM SPECIFIC GRAVITY WITH HYDROSTATIC BALANCE ✓ Adjust the Hydrostatic balance and calculate specific gravity of the stone. ✓ Identify the stone as per specific gravity • ASSESS CLARITY OF STONE ✓ Check Clarity type(1,2 or 3) with the help of Loupe(10x) ✓ Identify the inclusions in stone
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 Assess Physical Properties of Gemstone under observation by an assessor, including:	During a practical assessment under observation by and assessor, the candidate correctly carried out the following tasks:			
Identify Color of stone	Identify Hue(body color) of stone			
	Identify tone of stone			
	Identify saturation of stone			
Identify Cut of stone	Identify Cut of stone			
	Identify Symmetry cut of stone			
	Measure the dimensions of the cut stone			
Assess Transparency of stone	Check the transparency of stone and mark as transparent, translucent or Opaque			
Assess Clarity of stone	Check and identify the crystal system of stone with the help of dummy samples			
Perform Hardness Test	Check the Hardness of rough stone by using Moh's Hardness kit			
	Identify the stone on the basis of hardness			
Perform Specific Gravity with Hydrostatic Balance	Adjust the Hydrostatic balance and calculate specific gravity of the stone.			
	Identify the stone as per specific gravity			
Assess Clarity of stone	Check Clarity type(1,2 or 3) with the help of Loupe(10x)			
	Identify the inclusions in stone			

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	Light source	
02	Moh's Hardness Pencil	
03	Loupe(10x)	
04	Tweezers	
05	Hydrostatic Balance	
06	Calculator	

3. List of consumables		
S. No	Name of Items	Quantity/Volume
01	Samples of Rough stone	
02	Samples of Cut stone	
03		