

## Self-Assessment Checklist

|                             |   |
|-----------------------------|---|
| <b>Candidate Name</b>       |   |
| <b>Registration No.</b>     |   |
| <b>Qualification</b>        |   |
| <b>Competency Standards</b> | Understand mineral maps                                 |
| <b>Assessment Task</b>      | Identify different types of Minerals and its occurrence |

I can.....

| Performance Criteria   | Yes                      | No                       |
|--|--------------------------|--------------------------|
| 1. Understand Sedimentary area                                 | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Recognize Igneous area                                      | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Recognize Metamorphic area                                  | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Identify sulphide and oxide minerals according to rock form | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Recognize carbonates  | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Recognize silicates   | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Phosphates  | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Highlight Native elements (gold, silver etc.)               | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Recognize emerald, topaz, ruby, sapphire etc.               | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Estimate the hardness of gem stone                         | <input type="checkbox"/> | <input type="checkbox"/> |

Candidate's Signature\_\_\_\_\_

Assessor's Signature\_\_\_\_\_

Date: \_\_\_\_\_

## Instruction Sheet for the Candidate

|                        |   |
|------------------------|---|
| Qualification          | National Vocational Certificate level 1 to 5, Mining Process Technology |
| Competency Standard(s) | Understand mineral maps   |

|                           |  |
|---------------------------|--|
| Candidate Details         | <p>Name_____</p> <p>Registration/Roll Number_____</p>  |
| Guidance for Candidate    | <p><b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b></p> <ul style="list-style-type: none"> <li>• <b>Identify different types of Minerals and its occurrence as per the given Instructions for the given site</b></li> </ul>  |
| Time:180 mins             | During a practical assessment, under observation by an assessor, you are required to. demonstrating the following criteria:  |
| Minimum Evidence Required | <ol style="list-style-type: none"> <li>1. Understand Sedimentary area</li> <li>2. Recognize Igneous area</li> <li>3. Recognize Metamorphic area</li> <li>4. Identify sulphide and oxide minerals according to rock form</li> <li>5. Recognize carbonates</li> <li>6. Recognize silicates</li> <li>7. Phosphates</li> <li>8. Highlight Native elements (gold, silver etc.)</li> <li>9. Recognize emerald, topaz, ruby, sapphire etc.</li> <li>10. Estimate the hardness of gem stone</li> </ol> |

## Assessors Judgment Guide

|                               |  |
|-------------------------------|--|
| <b>Qualification</b>          | National Vocational Certificate level 1 to 5, Mining Process Technology  |
| <b>Competency Standard(s)</b> | Understand mineral maps  |
| <b>Candidate Details</b>      | Name: _____<br>Registration/Roll Number: _____ Signature: _____  |
| <b>Assessment Outcome</b>     | COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/><br>Name of the Assessor _____ Assessor's code: _____<br>Signature: _____ |

| Assessment Summary (to be filled by the assessor) |         |      |             |           |           |           |                   |
|---|---------|------|-------------|-----------|-----------|-----------|-------------------|
| Activity  | Method  |      |             |           |           | Result    |                   |
|   | Written | Oral | Observation | Portfolio | Role Play | Competent | Not Yet Competent |
| Nature of Activity                                |         |      |             |           |           |           |                   |
| Practical Skill Demonstration                     |         |      | ✓           |           |           |           |                   |
| Knowledge Assessment                              |         | ✓    |             |           |           |           |                   |
| Other Requirement                                 |         |      |             |           |           |           |                   |

## Observation Checklist

|   |   |   |           |                |
|---|---|---|-----------|----------------|
| <b>Assessment Task</b>  |   | <b>Identify different types of Minerals and its occurrence as per the given Instructions for the given site</b> |           |                |
| <b>During the practical assessment, candidate demonstrated the following:</b> |   | <b>Yes</b>  | <b>No</b> | <b>Remarks</b> |
| 1.  | Understand Sedimentary area                                   |   |           |                |
| 2.  | Recognized Igneous area                                       |   |           |                |
| 3.  | Recognized Metamorphic area                                   |   |           |                |
| 4.  | Identified sulphide and oxide minerals according to rock form |   |           |                |
| 5.  | Recognized carbonates   |   |           |                |
| 6.  | Recognized silicates and Phosphates                           |   |           |                |
| 7.  | Highlighted Native elements (gold, silver etc.)               |   |           |                |
| 8.  | Recognized emerald, topaz, ruby, sapphire etc.                |   |           |                |
| 9.  | Estimated the hardness of gem stone                           |   |           |                |
| <b>Competent</b> <input type="checkbox"/>                                     |   | <b>Not Yet Competent</b> <input type="checkbox"/>   |           |                |

| Feedback to the Candidate  |                           |
|----------------------------|---------------------------|
|                            |                           |
|                            |                           |
|                            |                           |
|                            |                           |
|                            |                           |
|                            |                           |
| Candidate's Signature_____ | Assessor's Signature_____ |