

Self-Assessment Checklist

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|-----------------------------|--|
| Candidate Name | |
| Registration No. | |
| Qualification | |
| Competency Standards | Understand mineral maps |
| Assessment Task | 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

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

| | |
|---------------------------|--|
| Candidate Details | Name _____ Registration/Roll Number _____ |
| Guidance for Candidate | <p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ul style="list-style-type: none"> • Identify different types of Minerals and its occurrence as per the given Instructions for the given site |
| 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"> 1. Understand Sedimentary area 2. Recognize Igneous area 3. Recognize Metamorphic area 4. Identify sulphide and oxide minerals according to rock form 5. Recognize carbonates 6. Recognize silicates 7. Phosphates 8. Highlight Native elements (gold, silver etc.) 9. Recognize emerald, topaz, ruby, sapphire etc. 10. Estimate the hardness of gem stone |

Assessors Judgment Guide

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

| Assessment Task | Identify different types of Minerals and its occurrence as per the given Instructions for the given site | | |
|--|--|--|---------|
| During the practical assessment, candidate demonstrated the following: | Yes | No | Remarks |
| 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 | | | |
| Competent <input type="checkbox"/> | | Not Yet Competent <input type="checkbox"/> | |

| Feedback to the Candidate | |
|------------------------------------|-----------------------------------|
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| | |
| | |
| Candidate's Signature _____ | Assessor's Signature _____ |