NATIONAL CERTIFICATES (VOCATIONAL)

ASSESSMENT GUIDELINES

PLANT PRODUCTION
NQF Level 3

September 2007
PLANT PRODUCTION – LEVEL 3

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SECTION A: PURPOSE OF THE SUBJECT ASSESSMENT GUIDELINES

This document provides the lecturer with guidelines to develop and implement a coherent, integrated assessment system for Plant Production and Advanced Plant Production in the National Certificates (Vocational). It must be read with the National Policy Regarding Further Education and Training Programmes: Approval of the Documents, Policy for the National Certificates (Vocational) Qualifications at Levels 2 to 4 on the National Qualifications Framework (NQF). This assessment guideline will be used for National Qualifications Framework Levels 2-4.

This document explains the requirements for the internal and external subject assessment. The lecturer must use this document with the Subject Guidelines: Plant Production and Advanced Plant Production to prepare for and deliver Plant Production (Level 3) and Advanced Plant Production (Level 4). Lecturers should use a variety of resources and apply a range of assessment skills in the setting, marking and recording of assessment tasks.

SECTION B: ASSESSMENT IN THE NATIONAL CERTIFICATES (VOCATIONAL)

1 ASSESSMENT IN THE NATIONAL CERTIFICATES (VOCATIONAL)

Assessment in the National Certificates (Vocational) is underpinned by the objectives of the National Qualifications Framework (NQF). These objectives are to:

- Create an integrated national framework for learning achievements.
- Facilitate access to and progression within education, training and career paths.
- Enhance the quality of education and training.
- Redress unfair discrimination and past imbalances and thereby accelerate employment opportunities.
- Contribute to the holistic development of the student by addressing:
  - social adjustment and responsibility;
  - moral accountability and ethical work orientation;
  - economic participation; and
  - nation-building.

The principles that drive these objectives are:

- **Integration**
  To adopt a unified approach to education and training that will strengthen the human resources development capacity of the nation.

- **Relevance**
  To be dynamic and responsive to national development needs.

- **Credibility**
  To demonstrate national and international value and recognition of qualification and acquired competencies and skills.

- **Coherence**
  To work within a consistent framework of principles and certification.

- **Flexibility**
  To allow for creativity and resourcefulness when achieving Learning Outcomes, to cater for different learning styles and use a range of assessment methods, instruments and techniques.

- **Participation**
  To enable stakeholders to participate in setting standards and co-ordinating the achievement of the qualification.

- **Access**
  To address barriers to learning at each level to facilitate students’ progress.
• **Progression**  
To ensure that the qualification framework permits individuals to move through the levels of the national qualification via different, appropriate combinations of the components of the delivery system.

• **Portability**  
To enable students to transfer credits of qualifications from one learning institution and/or employer to another institution or employer.

• **Articulation**  
To allow for vertical and horizontal mobility in the education system when accredited pre-requisites have been successfully completed.

• **Recognition of Prior Learning**  
To grant credits for a unit of learning following an assessment or if a student possesses the capabilities specified in the outcomes statement.

• **Validity of assessments**  
To ensure assessment covers a broad range of knowledge, skills, values and attitudes (SKVAs) needed to demonstrate applied competency. This is achieved through:
  - clearly stating the outcome to be assessed;
  - selecting the appropriate or suitable evidence;
  - matching the evidence with a compatible or appropriate method of assessment; and
  - selecting and constructing an instrument(s) of assessment.

• **Reliability**  
To assure assessment practices are consistent so that the same result or judgment is arrived at if the assessment is replicated in the same context. This demands consistency in the interpretation of evidence; therefore, careful monitoring of assessment is vital.

• **Fairness and transparency**  
To verify that no assessment process or method(s) hinders or unfairly advantages any student. The following could constitute unfairness in assessment:
  - Inequality of opportunities, resources or teaching and learning approaches
  - Bias based on ethnicity, race, gender, age, disability or social class
  - Lack of clarity regarding Learning Outcome being assessed
  - Comparison of students’ work with other students, based on learning styles and language

• **Practicability and cost-effectiveness**  
To integrate assessment practices within an outcomes-based education and training system and strive for cost and time-effective assessment.

2  **ASSESSMENT FRAMEWORK FOR VOCATIONAL QUALIFICATIONS**

The assessment structure for the National Certificates (Vocational) qualification is as follows:

2.1 **Internal continuous assessment (ICASS)**  
Knowledge, skills values, and attitudes (SKVAs) are assessed throughout the year using assessment instruments such as projects, tests, assignments, investigations, role-play and case studies. The internal continuous assessment (ICASS) practical component is undertaken in a real workplace, a workshop or a “Structured Environment”. This component is moderated internally and externally quality assured by Umalusi. All internal continuous assessment (ICASS) evidence is kept in a Portfolio of Evidence (PoE) and must be readily available for monitoring, moderation and verification purposes.

2.2 **External summative assessment (ESASS)**  
The external summative assessment is either a single or a set of written papers set to the requirements of the Subject Learning Outcomes. The Department of Education administers the theoretical component according to relevant assessment policies.
A compulsory component of external summative assessment (ESASS) is the integrated summative assessment task (ISAT). This assessment task draws on the students’ cumulative learning throughout the year. The task requires integrated application of competence and is executed under strict assessment conditions. The task should take place in a simulated or “Structured Environment”. The integrated summative assessment task (ISAT) is the most significant test of students’ ability to apply acquired knowledge.

The integrated assessment approach allows students to be assessed in more than one subject with the same integrated summative assessment task (ISAT).

External summative assessments will be conducted annually between October and December, with provision made for supplementary sittings.

3 MODERATION OF ASSESSMENT

3.1 Internal moderation
Assessment must be moderated according to the internal moderation policy of the Further Education and Training (FET) college. Internal college moderation is a continuous process. The moderator’s involvement starts with the planning of assessment methods and instruments and follows with continuous collaboration with and support to the assessors. Internal moderation creates common understanding of Assessment Standards and maintains these across vocational programmes.

3.2 External moderation
External moderation is conducted by the Department of Education, Umalusi and, where relevant, an Education and Training Quality Assurance (ETQA) body according to South African Qualifications Authority (SAQA) and Umalusi standards and requirements.

The external moderator:
• monitors and evaluates the standard of all summative assessments;
• maintains standards by exercising appropriate influence and control over assessors;
• ensures proper procedures are followed;
• ensures summative integrated assessments are correctly administered;
• observes a minimum sample of ten (10) to twenty-five (25) percent of summative assessments;
• gives written feedback to the relevant quality assuror; and
• moderates in case of a dispute between an assessor and a student.

Policy on inclusive education requires that assessment procedures for students who experience barriers to learning be customised and supported to enable these students to achieve their maximum potential.

4 PERIOD OF VALIDITY OF INTERNAL CONTINUOUS ASSESSMENT (ICASS)
The period of validity of the internal continuous assessment mark is determined by the National Policy on the Conduct, Administration and Management of the Assessment of the National Certificates (Vocational).

The internal continuous assessment (ICASS) must be re-submitted with each examination enrolment for which it constitutes a component.

5 ASSESSOR REQUIREMENTS
Assessors must be subject specialists and should ideally be declared competent against the standards set by the ETDP SETA. If the lecturer conducting the assessments has not been declared a competent assessor, an assessor who has been declared competent may be appointed to oversee the assessment process to ensure the quality and integrity of assessments.

6 TYPES OF ASSESSMENT
Assessment benefits the student and the lecturer. It informs students about their progress and helps lecturers make informed decisions at different stages of the learning process. Depending on the intended purpose, different types of assessment can be used.
6.1 Baseline assessment
At the beginning of a level or learning experience, baseline assessment establishes the knowledge, skills, values and attitudes (SKVAs) that students bring to the classroom. This knowledge assists lecturers to plan learning programmes and learning activities.

6.2 Diagnostic assessment
This assessment diagnoses the nature and causes of learning barriers experienced by specific students. It is followed by guidance, appropriate support and intervention strategies. This type of assessment is useful to make referrals for students requiring specialist help.

6.3 Formative assessment
This assessment monitors and supports teaching and learning. It determines student strengths and weaknesses and provides feedback on progress. It determines if a student is ready for summative assessment.

6.4 Summative assessment
This type of assessment gives an overall picture of student progress at a given time. It determines whether the student is sufficiently competent to progress to the next level.

7 PLANNING ASSESSMENT
An assessment plan should cover three main processes:

7.1 Collecting evidence
The assessment plan indicates which Subject Outcomes and Assessment Standards will be assessed, what assessment method or activity will be used and when this assessment will be conducted.

7.2 Recording
Recording refers to the assessment instruments or tools with which the assessment will be captured or recorded. Therefore, appropriate assessment instruments must be developed or adapted.

7.3 Reporting
All the evidence is put together in a report to deliver a decision for the subject.

8 METHODS OF ASSESSMENT
Methods of assessment refer to who carries out the assessment and includes lecturer assessment, self-assessment, peer assessment and group assessment.

<table>
<thead>
<tr>
<th>LECTURER ASSESSMENT</th>
<th>The lecturer assesses students’ performance against given criteria in different contexts, such as individual work, group work, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELF-ASSESSMENT</td>
<td>Students assess their own performance against given criteria in different contexts, such as individual work, group work, etc.</td>
</tr>
<tr>
<td>PEER ASSESSMENT</td>
<td>Students assess another student’s or group of students’ performance against given criteria in different contexts, such as individual work, group work, etc.</td>
</tr>
<tr>
<td>GROUP ASSESSMENT</td>
<td>Students assess the individual performance of other students within a group or the overall performance of a group of students against given criteria.</td>
</tr>
</tbody>
</table>

9 INSTRUMENTS AND TOOLS FOR COLLECTING EVIDENCE
All evidence collected for assessment purposes is kept or recorded in the student’s Portfolio of Evidence (PoE).

The following table summarises a variety of methods and instruments for collecting evidence. A method and instrument is chosen to give students ample opportunity to demonstrate that the Subject Outcome has been attained. This will only be possible if the chosen methods and instruments are appropriate for the target group and the Specific Outcome being assessed.
METHODS FOR COLLECTING EVIDENCE

<table>
<thead>
<tr>
<th>Assessment instruments</th>
<th>Observation-based (Less structured)</th>
<th>Task-based (Structured)</th>
<th>Test-based (More structured)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Observation</td>
<td>• Assignments or tasks</td>
<td>• Examinations</td>
</tr>
<tr>
<td></td>
<td>• Class questions</td>
<td>• Projects</td>
<td>• Class tests</td>
</tr>
<tr>
<td></td>
<td>• Lecturer, student, parent</td>
<td>• Investigations or</td>
<td>• Practical examinations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>research</td>
<td>• Oral tests</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Case studies</td>
<td>• Open-book tests</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Practical exercises</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Demonstrations</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Role-play</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Interviews</td>
<td></td>
</tr>
<tr>
<td>Assessment tools</td>
<td>• Observation sheets</td>
<td>• Checklists</td>
<td>• Marks (e.g. %)</td>
</tr>
<tr>
<td></td>
<td>• Lecturer’s notes</td>
<td>• Rating scales</td>
<td>• Rating scales (1-7)</td>
</tr>
<tr>
<td></td>
<td>• Comments</td>
<td>• Rubrics</td>
<td></td>
</tr>
<tr>
<td>Evidence</td>
<td>• Focus on individual students</td>
<td><strong>Open middle</strong>: Students produce the same evidence but in different ways.</td>
<td>Students answer the same questions in the same way, within the same time.</td>
</tr>
<tr>
<td></td>
<td>• Subjective evidence based on</td>
<td>Open end: Students use same process to achieve different results.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>lecturer observations and impressions</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10 TOOLS FOR ASSESSING STUDENT PERFORMANCE

Rating scales are marking systems where a symbol (such as 1 to 7) or a mark (such as 5/10 or 50%) is defined in detail. The detail is as important as the coded score. Traditional marking, assessment and evaluation mostly used rating scales without details such as what was right or wrong, weak or strong, etc.

Task lists and checklists show the student what needs to be done. These consist of short statements describing the expected performance in a particular task. The statements on the checklist can be ticked off when the student has adequately achieved the criterion. Checklists and task lists are useful in peer or group assessment activities.

Rubrics are a hierarchy (graded levels) of criteria with benchmarks that describe the minimum level of acceptable performance or achievement for each criterion. Using rubrics is a different way of assessing and cannot be compared to tests. Each criterion described in the rubric must be assessed separately. Mainly two types of rubrics, namely holistic and analytical, are used.

11 SELECTING AND/OR DESIGNING RECORDING AND REPORTING SYSTEMS

The selection or design of recording and reporting systems depends on the purpose of recording and reporting student achievement. Why particular information is recorded and how it is recorded determine which instrument will be used.

Computer-based systems, for example spreadsheets, are cost and time effective. The recording system should be user-friendly and information should be easily accessed and retrieved.

12 COMPETENCE DESCRIPTIONS

All assessment should award marks to evaluate specific assessment tasks. However, marks should be awarded against rubrics and not be simply a total of ticks for right answers. Rubrics should explain the competence level descriptors for the skills, knowledge, values and attitudes (SKVAs) that a student must demonstrate to achieve each level of the rating scale.

When lecturers or assessors prepare an assessment task or question, they must ensure that the task or question addresses an aspect of a Subject Outcome. The relevant Assessment Standard must be used to create the rubric to assess the task or question. The descriptions must clearly indicate the minimum level of attainment for each category on the rating scale.
13 STRATEGIES FOR COLLECTING EVIDENCE

A number of different assessment instruments may be used to collect and record evidence. Examples of instruments that can be (adapted and) used in the classroom include:

13.1 Record sheets

The lecturer observes students working in a group. These observations are recorded in a summary table at the end of each project. The lecturer can design a record sheet to observe students’ interactive and problem-solving skills, attitudes towards group work and involvement in a group activity.

13.2 Checklists

Checklists should have clear categories to ensure that the objectives are effectively met. The categories should describe how the activities are evaluated and against what criteria they are evaluated. Space for comments is essential.

SECTION C: ASSESSMENT IN PLANT PRODUCTION

1 SCHEDULE OF ASSESSMENT

At NQF levels 2, 3 and 4, lecturers will conduct assessments as well as develop a schedule of formal assessments that will be undertaken in the year. All three levels also have an external examination that accounts for 50 percent of the total mark. The marks allocated to assessment tasks completed during the year, kept or recorded in a Portfolio of Evidence (PoE), account for the other 50 percent.

The Portfolio of Evidence (PoE) and the external assessment include practical and written components. The practical assessment in Plant Production and Advanced Plant Production must, where necessary, be subjected to external moderation by Umalusi or an appropriate Education and Training Quality Assurance (ETQA) body, appointed by the Umalusi Council in terms of Section 28(2) of the General and Further Education and Training Quality Assurance Act, 2001 (Act No. 58 of 2001).

2 RECORDING AND REPORTING

Plant Production and Advanced Plant Production, as is the case for all the other Vocational subjects, is assessed according to five levels of competence. The level descriptions are explained in the following table.

**Scale of Achievement for the Vocational component**

<table>
<thead>
<tr>
<th>RATING CODE</th>
<th>RATING</th>
<th>MARKS %</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Outstanding</td>
<td>80-100</td>
</tr>
<tr>
<td>4</td>
<td>Highly competent</td>
<td>70-79</td>
</tr>
<tr>
<td>3</td>
<td>Competent</td>
<td>50-69</td>
</tr>
<tr>
<td>2</td>
<td>Not yet competent</td>
<td>40-49</td>
</tr>
<tr>
<td>1</td>
<td>Not achieved</td>
<td>0-39</td>
</tr>
</tbody>
</table>

The programme of assessment should be recorded in the Lecturer’s Portfolio of Assessment for each subject. The following at least should be included in the Lecturer’s Assessment Portfolio:

- A contents page
- The formal schedule of assessment
- The requirements for each assessment task
- The tools used for each assessment task
- Recording instrument(s) for each assessment task
- A mark sheet and report for each assessment task

The college must standardise these documents.

The student’s Portfolio of Evidence (PoE) must include at least:

- A contents page
- The assessment tasks according to the assessment schedule
- The assessment tools or instruments for the task
- A record of the marks (and comments) achieved for each task

Where a task cannot be contained as evidence in the Portfolio of Evidence (PoE), its exact location must be recorded and it must be readily available for moderation purposes.

The following guides internal assessment in Plant Production.

<table>
<thead>
<tr>
<th>NUMBER OF UNITS</th>
<th>ASSESSMENT</th>
<th>COVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Formal written test</td>
<td>Covers agronomic crops</td>
</tr>
<tr>
<td>1</td>
<td>Formal written test</td>
<td>Covers production of fruit trees</td>
</tr>
<tr>
<td>1</td>
<td>Internal written exam</td>
<td>All completed topics</td>
</tr>
</tbody>
</table>
| 3               | Practical assessments | Covers growing of agronomic crops.  
  • A practical project on growing agronomic crops from planting up to harvesting. The project must cover soil preparation, planting, fertilizer applications, irrigation, weed control, pest control, disease control and harvesting.  
  • A report in the form of a journal on growing a particular agronomic crop from soil preparation up to harvesting. It must cover all aspects. |
ASSESSMENT OF PLANT PRODUCTION
LEVEL 3
### 3 INTERNAL ASSESSMENT OF SUBJECT OUTCOMES IN PLANT PRODUCTION - LEVEL 3

#### Topic 1: Production of agronomic crops, fruit trees and agroforestry systems

| SUBJECT OUTCOME |
|-----------------|----------------|
| **1.1** Explain characteristics of good cultivars in relation to their suitability in terms of prevailing climatic and soil conditions. |
| Range: Cultivars refer to fruit trees, agronomic crops and trees suitable for agro forestry. |
| **ASSESSMENT STANDARD** | **LEARNING OUTCOME** |
| - Characteristics of a good cultivar (fruits and agronomic crops) are explained in relation to their suitability in terms of prevailing climatic and soil conditions. | - List characteristics of good cultivars (fruits and agronomic crops) in relation to their suitability in terms of prevailing climatic and soil conditions. |
| - Interaction of crops with trees in agro-forestry methodologies are described | - Describe the interaction of crops with trees in agro-forestry methodologies. |

**ASSESSMENT TASKS OR ACTIVITIES**

Written test, class work and assignments.

| SUBJECT OUTCOME |
|-----------------|----------------|
| **1.2** Describe, using examples, procedures followed when preparing the soil for planting. Identify fertilizer and water requirements for crops and trees grown separately or in agro forestry systems when the latter does or does not include leguminous trees or crops. |
| Range: Cultivars refer to fruit trees, agronomic crops and trees suitable for agro forestry. |
| **ASSESSMENT STANDARD** | **LEARNING OUTCOME** |
| - Procedures for preparing the soil for planting (agronomic crops and fruit trees), fertilizer requirements, harvesting are described using examples. | - Describe with examples soil preparation procedures. |
| - Benefits and problems of agroforestry systems on 2 ha plots are described | - Describe types of fertilizer required for a particular crop and the application methods. |
| - Describe inter and intra-row spacing in order to perform planting appropriately | - Describe the harvesting in agro forestry systems and the use of agro forestry trees as animal feed and soil mulching. |
| - List the benefits and problems of agro forestry systems on 2 ha plots. | - List the benefits and problems of agro forestry systems on 2 ha plots. |

**ASSESSMENT TASKS OR ACTIVITIES**

Practical activity on a farm, class activity, assignment.

| SUBJECT OUTCOME |
|-----------------|----------------|
| **1.3** Explain reproduction of fruit trees from rootstocks/scion and agronomic crops from seeds. |
| **ASSESSMENT STANDARD** | **LEARNING OUTCOME** |
| - Reproduction of fruit trees from rootstocks/scion and an agronomic crop from seeds is explained. | - Identify suitable rootstocks and scions for different fruit trees (citrus, deciduous, agroforestry). |
| - Rootstocks and scion are described and identified | - Describe the characteristics of different rootstocks and scion. |
| - Seeds and seedlings for agronomic crops are described and identified | - Identify and describe correct seeds/seedlings for reproduction of agronomic crops. |

**ASSESSMENT TASKS OR ACTIVITIES**

Case study, practical project, assignments.
### Subject Outcome

**1.4 Identify, using examples, the irrigation requirements of agronomic crops and trees**

<table>
<thead>
<tr>
<th>Assessment Standard</th>
<th>Learning Outcome</th>
</tr>
</thead>
</table>
| Irrigation requirements of agronomic crops and fruit trees are identified using examples | • Describe irrigation requirements of a crop.  
• Apply irrigation methods in order to fulfil the water requirements. |

**Assessment Tasks or Activities**

Case study, practical activity.

### Subject Outcomes

**1.5 Identify and describe different types of pests and disease using examples.**

<table>
<thead>
<tr>
<th>Assessment Standard</th>
<th>Learning Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Types of pests and diseases are identified and described using examples.</td>
<td>Characteristics of pests and diseases and their damage characteristics are described using examples.</td>
</tr>
</tbody>
</table>

**Assessment Tasks or Activities**

Class activity, assignment and practical activity.

### Subject Outcomes

**1.6 Control pests and diseases using correct measures.**

<table>
<thead>
<tr>
<th>Assessment Standard</th>
<th>Learning Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pests and diseases are controlled using correct measures.</td>
<td>Biological control, chemical control and physical control are explained in order to select the best control method or combination of integrated control methodologies</td>
</tr>
</tbody>
</table>

**Assessment Tasks or Activities**

Case study, practical activity and a project on pest control measures.

### Subject Outcomes

**1.7 List and describe with examples the control and preventative measures for pest infection and diseases.**

<table>
<thead>
<tr>
<th>Assessment Standard</th>
<th>Learning Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>The control and preventative measures for pest infection and diseases are listed and described.</td>
<td>Chemical and biological control and preventative measures are described and applied (simulation where necessary).</td>
</tr>
</tbody>
</table>

**Assessment Tasks or Activities**

Case study, practical project, assignment.
SUBJECT OUTCOMES

1.8 Identify and explain with examples the indications of fruit ripeness or crop maturity in order to perform harvesting

<table>
<thead>
<tr>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOME</th>
</tr>
</thead>
</table>
| The indications of a ripeness of fruit or a crop are identified and explained with examples in order to perform harvesting. | • Describe with examples the indications of fruit ripeness or crop maturity in order to perform harvesting.  
• Describe methods of harvesting of at least three different crops.  
• Describe and discuss the post-harvest treatment of crops and on-farm storage. |

ASSESSMENT TASKS OR ACTIVITIES

Case study, assignment, written test, practical project.

SUBJECT OUTCOME

1.9 Describe crop rotation and mulching

<table>
<thead>
<tr>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOME</th>
</tr>
</thead>
</table>
| Crop rotation and mulching are described in order to keep soil in good condition for plant production. | • Describe application and the significance of crop rotation in a sustainable agricultural enterprise.  
• Describe the importance of mulching in sustainable farming enterprises. |

ASSESSMENT TASKS OR ACTIVITIES

Written test and a practical project.

4 SPECIFICATIONS FOR THE EXTERNAL ASSESSMENT IN PLANT PRODUCTION - LEVEL 3

4.1 Integrated Summative Assessment Task (ISAT)

A compulsory component of ESASS is the Integrated Summative Assessment Task (ISAT), which is a major assessment task that draws on the learners’ cumulative learning achieved during the year. The task requires integrated application of competence and is executed and recorded in compliance with assessment conditions.

The ISAT may be applied as follows:

• The students could be assigned tasks (one on fruit trees and one on agronomic crop) at the beginning of the year which they will have to complete in various phases during the year to obtain part assessment.

• The final assessment is made at the end of the year upon completion of the task (Project).

The ISAT will be set by the externally appointed examiner and be conveyed to colleges within the first quarter of each year.

The integrated assessment approach allows for the learner to be assessed in more than one subject within the same ISAT.

4.2 National examination

A national examination is conducted annually in October or November by means of a paper set externally and marked and moderated externally. The following distribution of cognitive application is suggested:

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>KNOWLEDGE AND COMPREHENSION</th>
<th>APPLICATION</th>
<th>ANALYSIS, SYNTHESIS AND EVALUATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>40%</td>
<td>40%</td>
<td>20%</td>
</tr>
</tbody>
</table>