



Technical, Entrepreneurship and Vocational Education and Training Authority (TEVETA)

GENERAL AGRICULTURE TRADE TEST LEVEL 3

Record of Practical Assessment

Learner`s Name:_____

Learner`s NRC no.:_____

Learner`s TEVETA No.:_____

Institution Name:_____

Institution TVA No.:_____

Assessment Period:_____

PREFACE

The Technical Education, Vocational and Entrepreneurship Training Authority (TEVETA) is an institution created under the Technical Education, Vocational and Entrepreneurship Training Act Number 13 of 1998, as amended by the Technical Education, Vocational and Entrepreneurship Training (Amendment) Act Number 11 of 2005.

The Act among other things provides that TEVETA shall:

- (a) regulate and conduct national examinations and assessments relating to technical education, vocational and entrepreneurship training;
- (b) charge and collect fees in respect of examinations, assessments and other services provided by the Authority;
- (c) award certificates to persons who succeed in examinations and assessments undertaken under this Act
- (d) do all such things connected with or incidental to the functions of the Authority under this Act.

Through this mandate, the Assessment and Qualifications Division of TEVETA has developed Practical Assessment Tool Kits to enable learners achieve the competences that are congruent with the demand of the workplace tasks. These tool kits in part are also intended to ensure that similar conditions under which all students in TEVET are assessed and examined apply wherever the course is undertaken in Zambia.

The Trainers shall work with the Learners to collect evidence of competence, using the benchmarks provided by the unit standards. During the year, the Learners shall be required to undertake a series of practical assessment tasks. It is the sum of all these assessments tasks that deems a Learner to be competent (or not).

This approach to assessment is not a one-off event but one that gives learners many opportunities to demonstrate skill and allow for the capturing and recording of these demonstrations.

For the Learner to be deemed competent, they must demonstrate competency in every aspect of the practical tasks being undertaken. It must however be understood by the Trainer that Competency does not mean expert. It means that the candidate has attained sufficient skill and knowledge to perform the activity or service to a degree and quality that is acceptable to the industry and the customer in a time within which a competent person at the level could reasonably be expected to perform the task.

While this will be undertaken at institutional level, it is therefore envisaged that the Assessment principles of VALIDITY, RELIABILITY, FAIRENESS and FLEXIBILITY shall at all times be adhered to.

Pre-Assessment

Assessment process explained to the Trainee (✓ if Yes).	☐
Any appeal relating to the outcome of the assessment or the way in which the assessment was conducted shall be made through the TEVETA <u>fair treatment policy</u> as explained to the Trainee (✓ if Yes).	☐

Learner/Trainee Learner/Trainee name: (Print) Learner/Trainee comments:	Assessor/Examiner Assessor/Examiner name: (Print) Assessor/Examiner comments:
I fully understand the assessment and appeals process.	Theory assessment sighted and checked as satisfactory. ☐
Signature: Date:	Signature: Date:

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TASK 1: IDENTIFICATION, USE AND MAINTENANCE OF BASIC GARDEN TOOLS

No	Activity						
		Satisfactory			Not Satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) Identify the basic garden tools, this should include: • Hand hoe • Rake, • Garden fork • Hand fork • Hand trowel • Shovel • Spade, • Slasher • Axe • Watering can • Measuring tape • Garden line	☐	☐	☐	☐	☐	☐
	(b) demonstrate effective use of basic garden tools • Hand hoe • Rake • Garden fork • Hand fork • Hand trowel • Shovel • Spade • Slasher • Axe • Watering can • Measuring tape • Garden	☐	☐	☐	☐	☐	☐
	(c) Carry out correct maintenance practices, referred to the tools in (b), this should include: • Oiling the tools • Washing tools • Sharpening tools • Proper storage	☐	☐	☐	☐	☐	☐

Examiner`s comments:

Signed:

Examiner Name/Sign:

Learner's Name/sign:

Date:

Date:

TASK 2: IDENTIFICATION USE AND MAINTENANCE OF THE KNAPSACK SPRAYER

No	Activity						
		Satisfactory			Not Satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) identify the tools and materials to use in spraying - knapsack sprayer - pesticide - water	☐	☐	☐	☐	☐	☐
	(b) Identify the parts of the sprayer, this should include: - Handle (belts) - Nozzle - Trigger - Hand pump - Seal - Tank - Compressor - Delivering tube/pipe - Lancer	☐	☐	☐	☐	☐	☐
	(c) Dismantling and assembling of the knapsack sprayer correctly refer to the parts in (b)	☐	☐	☐	☐	☐	☐
	(d) effective use of the knapsack sprayer (refer to (a) above) this should include: spraying pesticide	☐	☐	☐	☐	☐	☐
	(e) maintenance of the sprayer, this should include: - washing thoroughly - proper handling - proper storage - replacement of worn out parts - replacement of broken parts	☐	☐	☐	☐	☐	☐

Examiner's comments:

Signed:

Examiner Name/Sign:

Learner`s Name/sign:

Date:

Date:

TASK 3: GENERAL NURSERY PREPARATION FOR VEGETABLES

No	Activity						
		Satisfactory			Not Satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) Identify the tools and materials to be used in preparation, this should include: ▪ Hand hoes ▪ Measuring tape ▪ Garden line ▪ pegs ▪ Hand fork ▪ Watering can ▪ Mulching materials ▪ Vegetable seeds ▪ Fertilizers (organic or inorganic) ▪ Rake	☐	☐	☐	☐	☐	☐
	(b) Prepare nursery plot for vegetables with the following dimensions 1.2m × 10m, this should include: ▪ clearing ▪ Tilling ▪ Harrowing ▪ Bed marking ▪ Bed making ▪ Sowing ▪ Mulching ▪ Watering	☐	☐	☐	☐	☐	☐

Examiner's comments:

Signed:

Examiner Name/Sign:

Learner's Name/sign:

Date:

Date:

TASK 4: VEGETABLE BED MAKING

No	Activity						
		Satisfactory			Not Satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) Identify the tools and materials to be used in vegetable bed making, this should include: ▪ Hand hoes ▪ Measuring tape ▪ Garden line ▪ Pegs/stakes ▪ Rake	☐	☐	☐	☐	☐	☐
	(b) Make vegetable beds in the garden, this should include ▪ clearing ▪ tilling ▪ Harrowing ▪ Measuring ▪ Pegging ▪ Aligning the edges of the bed ▪ Levelling	☐	☐	☐	☐	☐	☐

Examiner's comments:

Signed:

Examiner Name/Sign:

Learner's Name/sign:

Date:

Date:

TASK 5: GROWING TOMATO

No	Activity						
		Satisfactory			Not satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) Identify the tools and materials required for growing tomato, this should include: ▪ Axe/ matchet/panga ▪ Ball of String ▪ Knife ▪ Measuring tape ▪ Hand hoes ▪ Garden line ▪ Hand fork ▪ Watering can ▪ Stakes ▪ Tomato seeds ▪ Mulching materials ▪ insecticide ▪ herbicides ▪ fungicides ▪ Compost/manure ▪ Basal fertilizer ▪ Top dressing fertilizer ▪ Garden trowel ▪ Rake	☐	☐	☐	☐	☐	☐
	(b) Prepare nursery plot with the following dimensions 0.5m × 0.5m, this should include: • Measuring • Tilling • Harrowing • Bed making • Sowing • Watering						
	(c) Prepare the main bed with the following dimensions 1.2m × 10m, this should include: • Measuring • Tilling • Harrowing • Bed making • manuring • Watering	☐	☐	☐	☐	☐	☐
	(d) Transplant tomato seedlings, this should include: ▪ Watering ▪ Seedling lifting ▪ Planting ▪ Application of fertilizer	☐	☐	☐	☐	☐	☐

	(e) Carry out tomato management practices, this include: ▪ weeding ▪ Gapping ▪ Pruning ▪ Staking/trelling ▪ Controlling diseases and pests	☐	☐	☐	☐	☐	☐
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Examiner`s comments:

Signed:

Examiner Name/Sign:

Learner`s Name/sign:

Date:

Date:

TASK 6: GROWING CABBAGE

No	Activity						
		Satisfactory			Not satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(f) Identify the tools and materials required for growing cabbage, this should include: ▪ Axe/ matchet/panga ▪ Measuring tape ▪ Hand hoes ▪ Garden line ▪ Hand fork ▪ Garden trowel ▪ Rake ▪ Watering can/horse pipe ▪ cabbage seeds ▪ Mulching materials ▪ insecticide ▪ herbicides ▪ fungicides ▪ Compost/manure ▪ Basal fertilizer ▪ Top dressing fertilizer	☐	☐	☐	☐	☐	☐
	(g) Prepare nursery plot with the following dimensions 0.5m × 0.5m, this should include: • Measuring • Tilling • Harrowing • Bed making • Sowing • Watering	☐	☐	☐	☐	☐	☐
	(h) Prepare the main bed with the following dimensions 1.2m × 10m, this should include: • Measuring • Tilling • Harrowing • Bed making • manuring • Watering						
	(i) Transplant cabbage seedlings, this should include: ▪ Watering ▪ Seedling lifting ▪ Planting ▪ Application of fertilizer	☐	☐	☐	☐	☐	☐

	(j) Carry out tomato management practices, this include: ▪ weeding ▪ Gapping ▪ Controlling diseases and pests	☐	☐	☐	☐	☐	☐
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Examiner's comments:

Signed:

Examiner Name/Sign:

Learner's Name/sign:

Date:

Date:

TASK 7: CITRUS NURSERY PREPARATION

No	Activity						
		Satisfactory			Not Satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) Identify the tools and materials to be used in nursery preparation for citrus, this should include: • Hoes • Watering can/Horse pipe • fertilizer (basal) • Lemon seeds • Measuring tape • Mulching material • Polythene pots • Compost/manure • Shovel • Wheelbarrow	☐	☐	☐	☐	☐	☐
	(b) sowing of lemon seeds in polythene pots, this should include: • Soil collection • Mixing of soil with manure/compost • potting • sowing • mulching • watering	☐	☐	☐	☐	☐	☐

Examiner`s comments:

Signed:

Examiner Name/Sign:

Learner`s Name/sign:

Date:

Date:

TASK 8: BUDDING IN CITRUS PLANTS

No	Activity						
		Satisfactory			Not Satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) Identify the tools and materials to be used in budding citrus plants, this should include: ▪ Lemon seedlings in polypots ▪ Budding knife ▪ Wrapper ▪ Secateurs ▪ Bud wood	☐	☐	☐	☐	☐	☐
	(b) bud on lemon seedlings, this should include: ▪ cutting the vertical and horizontal lines on the seedling ▪ placing the bud ▪ wrapping	☐	☐	☐	☐	☐	☐

Examiner's comments:

Signed:

Examiner Name/Sign:

Learner's Name/sign:

Date:

Date:

TASK 9: DRUG ADMINISTRATION THROUGH INTRA - MUSCULAR INJECTION METHOD

No	Activity						
		Satisfactory			Not Satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) Identify the tools and materials to be used in drug administration through intra – muscular injection method, this should include: ▪ Syringe ▪ Needles ▪ Water in a bottle representing any antibiotic ▪ Cotton wool ▪ Methylated spirit or any disinfectant ▪ Cattle/goat	☐	☐	☐	☐	☐	☐
	(b) administer the drug, this should include: ▪ Restraining the animal ▪ Disinfecting injection site ▪ Drug preparation ▪ Injecting the animal	☐	☐	☐	☐	☐	☐

Examiner`s comments:

Signed:

Examiner Name/Sign:

Learner`s Name/sign:

Date:

Date:

TASK 10: EARTHEN FISH POND DEMARCATION

No	Activity						
		Satisfactory			Not Satisfactory		
		1	2	3	1	2	3
During observation of work activities, the candidates demonstrated that they can:							
	(a) Identify the tools and materials to be used in earthen fish pond demarcation, this should include: - Measuring tape - Garden line - Axe - Pegs/ stakes	☐	☐	☐	☐	☐	☐
	(b) Demarcate the earthen fish pond, this should include: - Measuring - Marking out - Pegging	☐	☐	☐	☐	☐	☐

Examiner`s comments:

Signed:

Examiner Name/Sign:

Learner`s Name/sign:

Date:

Date:

FINAL PRACTICAL ASSESSMENT SUMMARY

Practical assessment summary		Satisfactory	Not Satisfactory
1.	IDENTIFICACATION, USE AND MAINTANENCE OF BASIC GARDEN TOOLS	☐	☐
2.	IDENTIFYING THE PARTS, FUNCTIONS AND MAINTENANCE OF SPRAYER	☐	☐
3.	GENERAL NURSERY PREPARATION FOR VEGETABLES	☐	☐
4.	VEGETABLE BED MAKING	☐	☐
5.	GROWING TOMATO	☐	☐
6.	GROWING CABBAGE	☐	☐
7.	CITRUS NURSERY PREPARATION	☐	☐
8.	BUDDING IN CITRUS	☐	☐
9.	DRUG ADIMINISTION THROUGH INTRA-MUSCULAR INJECTION METHOD	☐	☐
10.	EARTHEN FISH POND DEMARCATON	☐	☐

Assessor/Examiners comments:

ASSESSMENT OUTCOME

Competent ☐

Not Competent ☐

Learner/Trainee	Assessor/Examiner
Learner/Trainee name: (Print)	Assessor/Examiner name: (Print)
Learner/Trainee comments:	Assessor/Examiner comments:
Signature: _____ Date: _____	Signature: _____ Date: _____

VALIDATION OF THE ASSESSMENT

NAME:.....

DATE:.....

POSITION: **PRINCIPAL/HEAD OF INSTITUTION**

SIGNATURE:.....

NAME INSTITUTION:.....

STAMP:

