



**UGANDA NATIONAL EXAMINATIONS BOARD**  
**CONTINUOUS ASSESSMENT OBSERVATION CHECKLIST**  
**456 MATHEMATICS**  
**Senior 3, Term 2**

**Centre/CA No:** ..... **Year:** .....

**Learner's Name:** ..... **Learner ID:** .....

**Instructions to the facilitator:**

1. This observation checklist contains **one** competency, which **must** be assessed by the end of this term.
2. Please **tick** against the indicator(s) the learner has exhibited at every level assessed.
3. Record the **number of indicators observed** in the boxes provided at the end of each level for **Subject Competency (SC)** and **Generic Skill (GS)**.
4. Indicate **N/A** if the learner has not been assessed for a particular level(s).

<b>Theme:</b>	Data and Probability
<b>Topic:</b>	Matrices
<b>Learning Outcome(s):</b>	Apply knowledge of matrices in solving problems from real-life situations.
<b>Subject Competency (SC):</b>	Applies knowledge of matrices in solving problems from real-life situations.
<b>Generic Skill (GS):</b>	Co-operation and Self-directed Learning.
<b>Learning Domain:</b>	Psychomotor.

**Level 1: Imitation**

**Subject Competency (SC): Imitating the teacher/peer/video clip, etc., applies knowledge of matrices in solving problems from real-life situations, the learner:**

- ☐ Summarises information from the text given.
- ☐ Forms matrices.
- ☐ Arranges matrices to ensure compatibility of their orders for carrying out operations on them.
- ☐ Carries out operations (+, -, x) on matrices formed.
- ☐ Obtains result(s) from the operation(s).

- ☐ Draws out the conclusion from the result(s) obtained.

**Generic Skill (GS): Imitating the teacher/peer/video clip, etc., demonstrate co-operation and self-directed learning in applying the knowledge of matrices in solving problems in real-life situations, the learner:**

- ☐ Works efficiently in diverse teams.
- ☐ Interacts effectively with others.
- ☐ Takes responsibility for own learning.
- ☐ Works independently with persistence.
- ☐ Manages goals and time.

Level 1 Indicators	
SC	GS

## Level 2: Manipulation

**Subject Competency (SC): Following instructions from the teacher/peer/video clip, etc., to apply knowledge of matrices to solve problems from real-life situations, the learner:**

- ☐ Summarises information from the text given.
- ☐ Forms matrices.
- ☐ Arranges matrices to ensure compatibility of their orders for carrying out operations on them.
- ☐ Carries out operations (+, -, x) on matrices formed.
- ☐ Obtains result(s) from the operation(s).
- ☐ Draws out the conclusion from the result(s) obtained.

**Generic Skill (GS): Following instructions from the teacher/peer/video clip, etc., to demonstrate co-operation and self-directed learning skills in applying the knowledge of matrices in solving problems in real-life situations, the learner:**

- ☐ Works efficiently in diverse teams.
- ☐ Interacts effectively with others.
- ☐ Takes responsibility for own learning.
- ☐ Works independently with persistence.
- ☐ Manages goals and time.

Level 2 Indicators	
SC	GS

--	--

### Level 3: Precision

**Subject Competency (SC): Applying the knowledge of matrices in solving problems from real-life solutions, independently but with minimal errors, the learner:**

- ☐ Summarises information from the text given.
- ☐ Forms matrices.
- ☐ Arranges matrices to ensure compatibility of their orders for carrying out operations on them.
- ☐ Carries out operations (+, -, x) on matrices formed.
- ☐ Obtains result(s) from the operation(s).
- ☐ Draws out the conclusion from the result(s) obtained.

**Generic Skill (GS): Demonstrating co-operation and self-directed learning, independently in applying the knowledge of matrices in solving problems in real-life situations, the learner:**

- ☐ Works efficiently in diverse teams.
- ☐ Interacts effectively with others.
- ☐ Takes responsibility for own learning.
- ☐ Works independently with persistence.
- ☐ Manages goals and time.

Level 3 Indicators	
SC	GS

### Level 4: Articulation

**Subject Competency (SC): Applying knowledge of matrices in solving problems from real-life situations correctly and innovatively, the learner:**

- ☐ Summarises information from the text given.
- ☐ Forms matrices.
- ☐ Arranges matrices to ensure compatibility of their orders for carrying out operations on them.
- ☐ Carries out operations (+, -, x) on matrices formed.
- ☐ Obtains result(s) from the operation(s).
- ☐ Draws out the conclusion from the result(s) obtained.

**Generic Skill (GS): Demonstrating co-operation and self-directed learning, correctly and innovatively in applying the knowledge of matrices in solving problems in real-life situations, the learner:**

- ☐ Works efficiently in diverse teams.
- ☐ Interacts effectively with others.
- ☐ Takes responsibility for own learning.
- ☐ Works independently with persistence.
- ☐ Manages goals and time.

Level 4 Indicators	
SC	GS

#### **Level 5: Naturalisation**

**Subject Competency (SC): Applying knowledge of matrices in solving problems from real-life situations, with ease, the learner:**

- ☐ Summarises information from the text given.
- ☐ Forms matrices.
- ☐ Arranges matrices to ensure compatibility of their orders for carrying out operations on them.
- ☐ Carries out operations (+, -, x) on matrices formed.
- ☐ Obtains result(s) from the operation(s).
- ☐ Draws out the conclusion from the result(s) obtained.

**Generic Skill (GS): Demonstrating co-operation and self-directed learning, with ease, in applying the knowledge of matrices in solving problems in real-life situations, the learner:**

- ☐ Works efficiently in diverse teams.
- ☐ Interacts effectively with others.
- ☐ Takes responsibility for own learning.
- ☐ Works independently with persistence.
- ☐ Manages goals and time.

Level 5 Indicators	
SC	GS