

UGANDA NATIONAL EXAMINATIONS BOARD CONTINUOUS ASSESSMENT OBSERVATION CHECKLIST 535 PHYSICS

Senior 4, Term 1

Centre/CA No:	Year:
Learner's Name:	Learner ID:
 by the end of this term. 2. Please tick against the indicator(s) assessed. 3. Record the number of indicators of each level for Subject Competer 	one competency, which must be assessed the learner has exhibited at every level observed in the boxes provided at the endincy (SC) and Generic Skill (GS). been assessed for a particular level(s).
Theme: Topic: Learning Outcome(s):	Electricity Voltage, Resistance, and Ohm's Law. Understand electrical resistance, how it is measured, its relationship to current and voltage, and the factors that affect it.
Subject Competency (SC):	Carries out investigations to determine the electrical resistance of conductors.
Generic Skill (GS): Learning Domain:	Cooperation & self-directed learning. Psychomotor.
Lev	el 1: Imitation
	the teacher/peer/video clip/laboratory estigation to determine the electrical er:
☐ States the aim of the experiment clear ☐ Identifies the independent variable complement.	orrectly.

 □ Identifies the controlled variable correctly. □ States the hypothesis of the experiment clearly, using relevant w □ Lists all the relevant apparatus/materials required for the experiments and writes correct experimental setup. □ Writes the procedure of the experiment coherently/logically. □ Identifies and writes risks/errors or sources of errors in the experiment. □ States the precaution(s)/mitigation(s) to the identified error(s). □ Carries out the experiment/investigation, following the stated pr □ Presents/records data in a logical format. □ Records data accurately, based on the instrument used and the □ Carries out data analysis using an appropriate method(s). □ Interprets data correctly. □ Draws an appropriate conclusion, based on the interpretation m □ Gives appropriate advice/recommendation(s), based on the finding 	iment. eriment to l ocedure. required ra ade.	
Generic Skill (GS): Imitating the teacher/peer/video clip/labor etc., demonstrate Cooperation & self-directed learning skills in investigation to determine the electrical resistance of a condu Works effectively in diverse teams while investigating electrical resistance of a condu Takes responsibility for own learning while investigating electrical works independently with persistence while investigating electrical Manages goals and time while investigating electrical resistance	ratory technicarrying ctor, the lesistance stance al resistance cal resistance	out an earner:
Level 2: Manipulation Subject Competency (SC): Following instructions from the teac peer, manual, etc., to carry out an investigation to determine resistance of a conductor, the learner:		_ :
 □ States the aim of the experiment clearly, using relevant words. □ Identifies the independent variable correctly. □ Identifies the dependent variable correctly. □ Identifies the controlled variable correctly. □ States the hypothesis of the experiment clearly, using relevant w □ Lists all the relevant apparatus/materials required for the experi □ Draws/makes correct experimental setup. 		

 □ Writes the procedure of the experiment coherently/logically. □ Identifies and writes risks/errors or sources of errors in the experiment. 	xperiment to	be carried
out. □ States the precaution(s)/mitigation(s) to the identified error(s) □ Carries out the experiment/investigation, following the stated □ Presents/records data in a logical format. □ Records data accurately, based on the instrument used and the carries out data analysis using an appropriate method(s). □ Interprets data correctly. □ Draws an appropriate conclusion, based on the interpretation □ Gives appropriate advice/recommendation(s), based on the fire	procedure. he required ra made.	ange.
Generic Skill (GS): Following instructions from the teacher, manual, etc., in demonstrating cooperation & self-directed l out an investigation to determine the electrical resistance of learner:	earning whil	e carrying
 □ Works effectively in diverse teams while investigating electrical □ Interacts effectively with others while investigating electrical re □ Takes responsibility for own learning while investigating electrical □ Works independently with persistence while investigating electrical □ Manages goals and time while investigating electrical resistant 	esistance rical resistano trical resistan	
	Level 2 I	ndicators
	SC	GS
Level 3: Precision		
Subject Competency (SC): Carrying out an investigation to de resistance of a conductor independently, with minimal error		
 □ States the aim of the experiment clearly, using relevant words □ Identifies the independent variable correctly. □ Identifies the dependent variable correctly. □ Identifies the controlled variable correctly. □ States the hypothesis of the experiment clearly, using relevant Lists all the relevant apparatus/materials required for the experimental setup. □ Draws/makes correct experimental setup. □ Writes the procedure of the experiment coherently/logically. □ Identifies and writes risks/errors or sources of errors in the experiment setup. □ States the precaution(s)/mitigation(s) to the identified error(s) 	t words. periment.	be carried

 □ Presents/records data in a logical format. □ Records data accurately, based on the instrument used and the □ Carries out data analysis using an appropriate method(s). □ Interprets data correctly. □ Draws an appropriate conclusion, based on the interpretation n □ Gives appropriate advice/recommendation(s), based on the find 	nade.	ange.
Generic Skill (GS): Demonstrating cooperation & self-directed independently while carrying out an investigation to determine resistance of a conductor, the learner:	_	trical
 □ Works effectively in diverse teams while investigating electrical results □ Interacts effectively with others while investigating electrical results □ Takes responsibility for own learning while investigating electrical □ Works independently with persistence while investigating electrical □ Manages goals and time while investigating electrical resistance 	istance cal resistanc ical resistan	
	Level 3 I	ndicators
	SC	GS
Level 4: Articulation Subject Competency (SC): Carrying out an investigation to deresistance of a conductor, correctly and innovatively, the learn		e electrica
 □ States the aim of the experiment clearly, using relevant words. □ Identifies the independent variable correctly. □ Identifies the dependent variable correctly. □ Identifies the controlled variable correctly. □ States the hypothesis of the experiment clearly, using relevant variates all the relevant apparatus/materials required for the experiment Draws/makes correct experimental setup. □ Writes the procedure of the experiment coherently/logically. □ Identifies and writes risks/errors or sources of errors in the experiment. 	riment.	be carried
 □ States the precaution(s)/mitigation(s) to the identified error(s). □ Carries out the experiment/investigation, following the stated p □ Presents/records data in a logical format. □ Records data accurately, based on the instrument used and the □ Carries out data analysis using an appropriate method(s). □ Interprets data correctly. □ Draws an appropriate conclusion, based on the interpretation n □ Gives appropriate advice/recommendation(s), based on the find 	e required ra	ange.

Generic Skill (GS): Demonstrating cooperation & self-directed leand innovatively while carrying out an investigation to determine resistance of a conductor, the learner:	_	_
 □ Works effectively in diverse teams while investigating electrical resistances. □ Interacts effectively with others while investigating electrical resistances. □ Takes responsibility for own learning while investigating electricates. □ Works independently with persistence while investigating electricates. □ Manages goals and time while investigating electrical resistance. 	stance 1 resistanc al resistan	
	Level 4 Ir	
	SC	GS
Level 5: Naturalisation		
Subject Competency (SC): Carrying out an investigation to determine of a conductor, with ease, the learner:	ermine the	e electrical
□ States the aim of the experiment clearly, using relevant words. □ Identifies the independent variable correctly. □ Identifies the dependent variable correctly. □ Identifies the controlled variable correctly. □ Identifies the controlled variable correctly. □ States the hypothesis of the experiment clearly, using relevant words. □ Lists all the relevant apparatus/materials required for the experiment Draws/makes correct experimental setup. □ Writes the procedure of the experiment coherently/logically. □ Identifies and writes risks/errors or sources of errors in the experiment. □ States the precaution(s)/mitigation(s) to the identified error(s). □ Carries out the experiment/investigation, following the stated processor of the presents/records data in a logical format. □ Records data accurately, based on the instrument used and the records data analysis using an appropriate method(s). □ Interprets data correctly. □ Draws an appropriate conclusion, based on the interpretation made Gives appropriate advice/recommendation(s), based on the findirection of the presents of the	ment. riment to b ocedure. required ra ade. ngs.	ange.
Generic Skill (GS): Demonstrating cooperation & self-directed leaving out an investigation to determine the electrical conductor, the learner:		
□ Works effectively in diverse teams while investigating electrical re	esistance.	

□ Ir	nteracts effectively with others while investigating electrical resistance
□ Ta	akes responsibility for own learning while investigating electrical resistance
□ W	Vorks independently with persistence while investigating electrical resistance.
	Manages goals and time while investigating electrical resistance.

Level 5 Indicators		
SC	GS	