

ALUPE UNIVERSITY OFFICE OF THE DEPUTY VICE CHANCELLOR ACADEMICS, RESEARCH AND STUDENT AFFAIRS

UNIVERSITY EXAMINATIONS 2023/2024 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER REGULAR EXAMINATION

COURSE CODE: CIM 223

COURSE TITLE: PHYSICS EDUCATION 1

DATE: 22/4/2024

TIME: 2:00PM-5:00PM

INSTRUCTIONS TO CANDIDATES

SEE INSIDE

THIS PAPER CONSISTS OF **TWO** PRINTED PAGES. PLEASE TURN OVER.

REGULAR – MAIN EXAM CIM 223 PHYSICS EDUCATION 1

STREAM:	DURATION: 3 Hours
INSTRUCTIONS TO CANDIDATES	
I Answer Question ONE and any other TWO Questions ii) Do not write on the question paper QUESTION ONE a) Define the 'scientific method'. b) What is the role of the 'scientific method'? c) Identify SIX advantages of ICT integration in the teaching of Physic d) Discuss any FOUR key philosophical schools of thought in science of the contract of t	
e) Explain the meaning of 'Science Fair' f) Explain TEN Universal characteristics of science	(10 marks)
QUESTION TWO a) Jean Piaget proposed four stages of cognitive development in children i) Discuss these four stages. ii)For each of the four stages in (i), explain how you can effectively experiences which promote students' scientific thinking. b) Outline four roles of science clubs in schools.	(8 marks)
QUESTION THREEa) Discuss FIVE roles of physics teachers in science education.b) Discuss the key trends in curriculum development in Physics Education.	(10 marks) on. (10 marks)
 QUESTION FOUR a) Outline EIGHT objectives of clubs and societies in secondary school b) Explain any SIX aspects that highlight the importance of the philosocial 	
 QUESTION FIVE a) What is values- based education b) Illustrate with examples how you would integrate values-based education physics. c) Explain EIGHT key principles of Jerome Brunner's social learning the d) d)Explain Four implications of social learning theory to physics. 	(2marks) ation in teaching (6marks)