



OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, RESEARCH AND STUDENT AFFAIRS

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER REGULAR EXAMINATION

**FOR THE DEGREE OF BACHELOR OF
EDUCATION**

COURSE CODE: CIM 323

COURSE TITLE: PHYSICS EDUCATION II

DATE: 15th MARCH, 2021 TIME: 2:00-5:00PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF THREE PRINTED PAGES PLEASE TURN OVER

CIM 323: PHYSICS EDUCATION II

STREAM: BED (Science)

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) Highlight SIX reasons for evaluation in physics (6 Marks)
- b) State FOUR activities that a teacher would possibly do before a field trip (4 Marks)
- c) List FOUR circumstances that can make a teacher opt for a demonstration experiment in a physics lesson (4 Marks)
- d) Describe the SIX problem solving stages in science (6 Marks)
- e) Identify the cognitive levels of complexity in the Revised Blooms taxonomy (2001) (6 Marks)
- f) Other than instruction, state FOUR other roles a teacher can perform in school (4 Marks)

Question Two

- a) Describe FIVE appropriate instructional activities that a teacher would engage learners for them to effectively acquire knowledge/skills on the topic “particulate nature of matter” (10 Marks)
- b) State TWO apparatus that can be improvised for the topic in question (2.a) above (2 Marks)
- c) Explain FOUR challenges that a physics teacher may face in physics lessons (8 Marks)

Question Three

- a) Define the term “assessment” as used in physics instruction (2 Marks)
- b) Explain any FOUR apparatus that a teacher can employ when teaching the topic “refraction” (8 Marks)
- c) Explain FIVE reasons for using instructional resources in physics lessons (10 Marks)

Question Four

- a) Construct a one week scheme of work on the topic “Mains Electricity” (12 Marks)
- b) From question (4.a) above write a lesson plan for the first lesson (8 Marks)

Question Five

- a) Explain any FIVE instructional methods that can be employed in physics lessons (10 Marks)
- b) Explain any FIVE evaluation techniques that can be employed in physics instruction (10 Marks)
