



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

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# UNIVERSITY EXAMINATIONS

## 2024/2025 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: 15/01/2025                      TIME: 8.00AM – 11.00AM**

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### INSTRUCTION TO CANDIDATES

- SEE INSIDE

**THIS PAPER CONSISTS OF THREE PRINTED PAGES**

**PLEASE TURN OVER**

**REGULAR – MAIN EXAM****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) Identify three prevalent misconceptions in physics teaching (3 Marks)
- b) What are the implications of these misconceptions in teaching physics (3 Marks)
- c) Suggest strategies to correct these misconceptions (3 Marks)
- d) What is a Syllabus (1 Mark)
- e) Explain why a teacher needs a syllabus to prepare for teaching (2 Marks)
- f) State 4 factors to consider when procuring apparatus and equipment for the school laboratory (4 Marks)
- g) Differentiate between formative and summative assessment. (4 Marks)
- h) What is a rubric (1marks)
- i) Discuss FOUR factors to be considered before administering assessment task to learners. (4 Marks)
- j) Explain FIVE factors that encourage a physics teacher to develop a personal teaching philosophy. (5 Marks)

**Question Two**

- a) What is collaborative teaching method? (2 Marks)
- b) Explain FIVE key elements of collaborative teaching method. (5 Marks)
- c) State FIVE benefits of collaborative teaching. (5 Marks)
- d) State effective methods of teaching physics that incorporate investigative techniques. (8 Marks)

**Question Three**

- a) What is assessment as in physics? (2 Marks)
- b) Identify THREE purposes of assessment? (3 Marks)
- c) Explain THREE types of assessments that a teacher uses to assess their learners. (3 Marks)

- d) Identify KEY facilities and resources in school which enhance the teaching of Physics. (6 Marks)
- e) State and explain THREE challenges faced when using Discussion method of teaching. (6 Marks)

**Question Four**

- a) Prepare a scheme of work for 3 weeks on the topic ;Heat transfer' in Form 2 KLB syllabus volume2 (10 Marks)
- b) From the scheme of work prepared in (a) above, make a lesson plan you will use to teach a double lesson of 80 minutes. (10 Marks)

**Question Five**

- a) Outline ways in which a teacher would motivate a learner during teaching Physics. (10 Marks)
- b) What are the qualities of an effective Physics teacher? (10 Marks)

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