

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**THIRD YEAR EXAMINATION FOR THE AWARD OF  
DEGREE OF BACHELOR OF EDUCATION (SCIENCE)**

**EDCI 343: PHYSICS SUBJECT METHODS**

**STREAMS:**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 13 /07/ 2021**

**8.30 AM – 10.30 AM**

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**INSTRUCTIONS:**

- Answer question one and any other two questions.
- Do not write anything on the question paper

- a) Describe the Nature of physics. [5 Marks]
  - b) Describe the objectives of teaching physics in secondary school. [10 Marks]
  - c) Explain the importance of improvising resources for teaching physics.[5 Marks]
  - d) Discuss the factors that would make the teacher to choose teacher demonstration instead of student practical work in physics teaching. [10 Marks]
- a) Explain the importance of constructing and using lesson objectives in the teaching of physics. [10 Marks]
  - b) Discuss the skills and attitudes gained during practical work in physics. [10 Marks]

3. a) Describe theories relevant in physics teaching and learning and their application. [10

Marks]

b) Explain how you would organize and use discussion as a method of teaching physics. [10

Marks]

4. a) Explain the importance of writing a scheme of work for teaching Physics. [10 Marks]

b) Write a lesson plan that you would use to teach a demonstration lesson in the topic of 'Magnetism' [10

Marks]

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