



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2022/2023

FIRST YEAR SECOND SEMESTER EXAMINATION FOR POST GRADUATE DIPLOMA  
IN EDUCATION

FIRST YEAR FIRST SEMESTER POST GRADUATE DIPLOMA IN EDUCATION

**ECG 4150: EDUCATIONAL COMMUNICATION AND INFORMATION  
TECHNOLOGY**

**DATE: APRIL 2023**

**TIME: 2 HOURS**

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**INSTRUCTIONS:** Answer question *one* and any other *two* questions

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### QUESTION ONE (24 MARKS)

The curriculum coordinator of school x was worried of the poor results in the final examination and called upon the heads of various department to prepare a detailed report on various strategies to be put in place to improve student performance in the school. The strategies were ranging from preparation of professional documents effective communication to utilization of teaching and learning resources. Prepare a detailed report of the strategies under the following

- a) A lesson plan entails learning activities that are arranged in a chronological pattern with clearly defined steps. Elaborate why teachers need to prepare a lesson plan (8 marks)
- b) Delivering of content is the key in a classroom set up for learning to take place hence teachers need to adhere to the stages of communication process that are necessary for the development of a complete and effective communication. Demonstrate classroom communication process in teaching and learning session (8 marks)

- c) Instructional resources available in most schools are either visual projected or non-visual projected instructional media resources. Clearly examine why a teacher may prefer using the visual non-projected resources

(8 marks)

**QUESTION TWO (12 MARKS)**

- a) You have been invited to discuss with secondary teachers a systematic planning for use of media. Write down your contribution as a facilitator in this topic (8 marks)
- b) Teachers have the task of choice and utilization of appropriate media during classroom instruction. Generate the general guidelines of media utilization (4 marks)

**QUESTION THREE (12 MARKS)**

- a) There are various teaching methods that a teacher can use in a classroom set up. Discuss four such teaching methods that can be used during classroom instruction for effective learning (8 marks)
- b) There two main approaches in teaching and learning. With examples, elaborate on the two approaches (4 marks)

**QUESTION FOUR (12 MARKS)**

- a) Schemes of work in one of the teacher's professional documents. Critically analyze how schemes of work help teachers during the instructional process (6 marks)
- b) Clearly elaborate on the columns to be included while preparing a scheme of work (8 marks)

**QUESTION FIVE (12 MARKS)**

- a) You are called upon to give inputs during an in service programme on integration of technology in classroom. Critically analyze the need of integrating technology in classrooms (8 marks)
- b) With examples elaborate on various forms of non-verbal communication (4 marks)