

# UGANDA MARTYRS UNIVERSITY

UNIVERSITY EXAMINATIONS

FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION  
SYSTEMS

END OF SEMESTER FINAL  
ASSESSMENT

SEMESTER II, 2022/2023

SECOND YEAR EXAMINATION FOR BACHELOR OF SCIENCE  
IN EDUCATION

ICT Teaching Methods I  
CSC

DATE: 23<sup>RD</sup> MAY 2023

TIME: 02:00 PM – 05:00 PM

DURATION: 03.00 HRS

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Instructions:

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1. Carefully read through ALL the questions before attempting
  2. No names should be written anywhere on the examination book.
  3. Ensure that your Reg number is indicated on all pages of the examination answer
  4. booklet.
  5. Leave a space or line before answering the next number.
  6. Ensure your work is clear and readable. Untidy work shall be penalized
  7. Any type of examination Malpractice will lead to automatic disqualification
- Attempt any FOUR Questions in the exam

5. Mak

ATTEMPT ANY FOUR QUESTIONS

1. (a) Technology has always been very central to the education sector. Discuss the phrase, "Technology and Society", with respect to the Digital Revolution. (10 marks)
- (b) Teaching is a process intended for learning by inducing a behavioural change in the taught. Explain how each of the following analogies help the teacher in ensuring that teaching and learning are successful:
- (i) Teaching is like fishing
  - (ii) Teaching is like beautiful music
- In your discussions, you can use examples to help you veil your views better. (15 marks)

2. (a) Every teacher is always aim at becoming an effective teacher. Briefly discuss the qualities that an effective ICT/Computer Science teacher should possess. (5 marks)
- (b) Outline ten (10) things that an ICT/Computer Science teacher should DO in the process of teaching ICT. (10 marks)
- (c) Outline ten (10) things that an ICT/Computer Science teacher should NOT DO in the process of teaching ICT. (10 marks)

3. (a) Discussion is a more active learning experience for the learners than the teacher/instructor. Support this statement by outlining the characteristics of the Discussion Method of teaching ICT/Computer Science. (10 marks)
- (b) The Discussion Method of teaching ICT has got three major techniques namely;
- (i) Small Group Discussion
  - (ii) Socialised Classroom Discussion
  - (iii) Panel Discussion
- Discuss how each of these techniques is effected in a typical Computer class. (15 marks)

4. Make an investigation about the INVESTIGATION METHOD as a Teaching Technique in teaching ICT/Computer in Secondary Schools. In your investigation, share the guidelines of how such a method should be handled by the teacher, BEFORE, DURING and AFTER the lesson. In your discussion give examples of which topics, subjects or fields you can easily use this method especially in ICT/Computer Science. Outline the Advanatages and Disadvantages of the Demonstration Method as a teaching technique. (25 marks)



5. Make an investigation about the INQUIRY METHOD as a Teaching Technique in the teaching of ICT in Secondary Schools. In your discussion, share what Inquiry is, The Forms of Inquiry and how they help both the teacher and learners in effective learning. With examples, mention subjects, fields or topics in ICT where his method can be appropriately used.  
Outline the Advantages and Disadvantages of the Inquiry Method as a Teaching Technique. (25 marks)
6. Make an investigation about the PROBLEM SOLVING METHOD as a Teaching Technique in the teaching of ICT in Secondary Schools. In your discussion, share the Steps of Problem Solving as a teaching technique. With examples, mention subject, fields or topics in ICT where the Problem Solving Method can be effectively applied.  
Outline the Advantages and Disadvantages of the Problem Solving Method as a Teaching Technique. (25 marks)

END