

UNIVERSITY OF SWAZILAND
FACULTY OF EDUCATION
DEPARTMENT OF CURRICULUM AND TEACHING
RESIT EXAMINATION QUESTION PAPER (JANUARY/FEBRUARY, 2019)
CTE 407: INFORMATION AND COMMUNICATION TECHNOLOGY IN
EDUCATION

DURATION: THREE (3) HOURS

INSTRUCTIONS:

1. This paper contains five (5) questions. Answer any four (4) questions.
2. Each question has a total of 25 marks.

**THIS PAPER SHOULD NOT BE OPENED UNTIL PERMISSION HAS BEEN
GRANTED BY THE INVIGILATOR**

QUESTION ONE

Explain the role of each of the following proponents of constructivist approaches in teaching and learning, as they relate to ICT integration in education:

- a) Jean Piaget [08 marks]
- b) Jerome Bruner [08 marks]
- c) Lev Vygotsky [09 marks]

QUESTION TWO

- a) ICT is to IT as library is to books, journals and screen displays. Examine this assertion in an attempt to distinguish between the two concepts. [10 marks]
- b) Within the context of a topic or concept derived from your teaching subject, explain any five (5) design factors considered to enhance production and utilization of Power-point slides. [15 marks]

QUESTION THREE

In line with any one of your teaching subjects, explain the following types of educational ICT tools: [25 marks]

- a) Informative tools
- b) Resignation tools
- c) Constructive tools
- d) Communicative tools
- e) Collaborative tools

QUESTION FOUR

Explain the major effects of ICT integration in teaching and learning. [25 marks]

QUESTION FIVE

Within the context of any of your teaching subjects, explain the merits and demerits of synchronous learning. [25 marks]