

AUGUST 2021
EBS 168J
LEARNING THEORIES FOR
TEACHING WITH COMPUTING
1 HOUR 5 MINUTES

Candidate's Index Number:

Signature:

UNIVERSITY OF CAPE COAST
COLLEGE OF EDUCATION STUDIES
SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH
INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION
FOUR-YEAR BACHELOR OF EDUCATION (B.ED)
FIRST YEAR, END-OF-SECOND SEMESTER EXAMINATION, AUGUST 2021

AUGUST 2, 2021

LEARNING THEORIES FOR TEACHING
WITH COMPUTING

2:25 PM – 3: 30 PM

SECTION B
[40 marks]

Answer any TWO questions from this section.

1.
 - a. Computers foster creativity in the constructivist classroom. Explain.
 - b. Beyond the classroom, computer networking allows students to communicate and collaborate with content experts and with fellow students around the globe. List any two communication tools that allow this for this type of communication.
 - c. State **three** characteristics of theory.
 - d. There are four major reasons why people forget and one of them is *retrieval failure*. What is retrieval failure?

2.
 - a. Many of Skinner's instructional techniques are still widely used today. State any three of them.
 - b. State **three** theoretical rules that constructivism gives to designers of computer-based education.
 - c. Differentiate between *accommodation* and *assimilation*.
 - d. State how the long-term memory is related to storage of information.

- 3.
- a. To assist a person to move through the zone of proximal development, educators are encouraged to focus on three important components which aid the learning process. What are these learning processes?
 - b. In a computer, information is stored on a hard disk, which is equivalent to the long-term memory. Explain.
 - c. State **two** implications of accommodation and assimilation for the ICT classroom.
 - d. Explain the term *tabula rasa*.
- 4.
- a. Vygotsky's theory of sociocultural learning highlights the role social and cultural interactions play in the learning process. Explain how this can be applied in the ICT classroom.
 - b. Explain Thorndike's law of effect.
 - c. State **any three** characteristics of a constructivist classroom.
 - d. State any **two** educational implications of Pavlov's experiment to ICT classroom situations.