

OCTOBER 2023
EBS 168J
LEARNING THEORIES
FOR TEACHING COMPUTING
1 HOUR 30 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, SEPTEMBER/OCTOBER 2023

5TH OCTOBER 2023

LEARNING THEORIES
FOR TEACHING COMPUTING

8:30 AM – 10:00 AM

SECTION B
[40 MARKS]

Answer TWO questions from this Section.

Please, note that if you answer more than two questions, only the first two will be marked.

1.

- a. What is the main focus of behaviourism as a learning theory? [1.5 marks]
 - i. According to the Zone of Proximal Development (ZPD) in Vygotsky's sociocultural theory, what does it represent? [1.5marks]
 - ii. What are the key principles of the Information Processing Model of learning? [1.5marks]
 - iii. How does social learning theory explain the acquisition of new behaviours in individuals? [1.5marks]
- b. How can cognitive theory be applied in a classroom setting to enhance learning? [2 marks]
 - i. What role does memory play in cognitive theory, and how can teachers help students improve their memory retention? [2 marks]
 - ii. In a constructivist classroom, what role does the teacher play in the learning process? [2 marks]
 - iii. How can teachers use scaffolding in a constructivist approach to support students' learning? [2 marks]

- iv. How can technology be integrated into a constructivist classroom to enhance learning experiences? [2 marks]
 - v. What strategies can teachers use to create a constructivist learning environment that accommodates diverse learners? [2 marks]
 - vi. How can technology benefit students in the educational system? [2 marks]
- 2.
- a.
 - i. What is learning theory? [2 marks]
 - ii. Why is learning theory essential in education? [3 marks]
 - b. What are the **five** main types of learning theories, and how do they differ? [10 marks]
 - c. How has technology influenced traditional learning methods based on learning theories? [5 marks]
- 3.
- a. What was Thorndike's Law of Effect? [3 marks]
 - i. What was Thorndike's famous puzzle box experiment? [3 marks]
 - ii. What did Thorndike learn from the puzzle box experiment? [3 marks]
 - iii. How did Thorndike's research have an impact on educational practices? [3 marks]
 - b. How is Thorndike's work relevant today? [3 marks]
 - c. What is transfer of learning in the cognitive learning process? [2 marks]
 - d. What are the **two** main types of transfer of learning? [3 marks]