

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
INFORMATION SCIENCE**

BSIS 352: OPERATING SYSTEMS THEORY

STREAMS: BSC (IS)

TIME: 2 HOURS

DAY/DATE: MONDAY 29/03/2021

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- **Answer question ONE and ant other TWO questions.**
- **Do not write on the question paper.**

- (a) Explain FIVE merits of a distributed operating system. (10 marks)
 - (b) Explain FIVE functions of a memory manager. (10 marks)
 - (c) Describe three components of a computer system. (10 marks)
 - (a) Describe FIVE types of operating systems. (10 marks)
 - (b) Explain FIVE demerits of using an operating system in library operations. (10 marks)
 - (a) Explain FIVE functions of an operating system. (10 marks)
 - (b) Describe three types of bus in a modern computer. (10 marks)
 - (a) Explain FIVE characteristics of a modern operating system. (10 marks)
 - (b) Explain FIVE activities of an operating system during process management. (10 marks)
 - (a) Explain FIVE ways of detecting deadlock. (10 marks)
 - (b) Explain the role of operating system in disk management. (10 marks)
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