



KENYATTA UNIVERSITY
DIGITAL SCHOOL OF VIRTUAL AND OPEN LEARNING (DSVOL)
EXAMINATION FOR THE DEGREE OF BACHELOR OF RECORDS AND
INFORMATION TECHNOLOGY
ISC 101: INFORMATION TECHNOLOGY I

1ST TRIMESTER 2022/2023

TIME: 2 HOURS

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO.

Question One

- a) The motherboard plays a critical role in organizing the components of a computer system. Explain the functional components that assist the motherboard in realizing this task. (10 marks)
- b) Identify the various threats to computer based systems and suggest appropriate security measures to contain the threats. (20 marks)

Question Two

- a) Explain, using appropriate examples, the components of system software. (15 marks)
- b) Identify five hardware components of computer system. (5 marks)

Question Three

Discuss the functional modules of a Library Management System (LMS). (20 marks)

Question Four

- a) Explain the three types of network cabling giving two advantages of each. (12 marks)
- b) Identify the various cost items in an information center automation project. (8 marks)

Question Five

- a) Explain the various types of memory found in a computer system. (8 marks)
- b) Identify the benefits accrued from the use of Internet by an information centre. (12 marks)