



TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(BSIT 12J)

BIT 2317: FUNDAMENTALS OF COMPUTER SECURITY

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: MARCH 2014
TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

- a) (i) Describe the history of computers giving examples. (5 marks)
- (ii) List down the types of computers (5 marks)
- b) (i) Differentiate between general purpose computers and special purpose computers. (4 marks)
- (ii) Describe Digital Computers and give examples (6 marks)
- c) (i) Define ROM. Name the type of ROM (4 marks)
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(ii) Write short notes about the processor and the generations **(6 marks)**

Question Two

a) (i) Define the following terms:

- Information
- Data
- Microprocessor
- Hardware

(4 marks)

(ii) Describe RAM and its types. **(6 marks)**

b) (i) Briefly describe the following input devices: **(6 marks)**

- (i)** Bar code reads
- (ii)** Point of sale Terminal
- (iii)** Joystick

(ii) Differentiate between a Micro Computer and a minicomputer **(4 marks)**

Question Three

a) Describe the FIVE computer generations giving examples. **(10 marks)**

b) Discuss any FIVE output devices. **(10 marks)**

Question Four

a) (i) Write short notes on secondary storage devices. **(4 marks)**

(ii) Describe the following:

- Risc
- Cisc

(4 marks)

b) (i) Briefly discuss on the following:

- Control unit
- Arithmetic Logic unit

(4 marks)

(ii) Define main memory **(2 marks)**

(iii) Differentiate between system software and application software give examples of each. **(6 marks)**

Question Five

a) (i) What is mail merging? **(2 marks)**

(ii) Describe the steps involved in mail merging process. **(8 marks)**

b) (i) Discuss any FOUR functions in Ms Excel **(4 mark)**

(ii) Explain the process of creating tables in Ms Access and how we can create relationships between the tables. **(6 marks)**