COMPUTER STUDIES

GRADE 10

Name: _____ADM NO_____CLASS……

TIME: 1 HR 20 MINS
INSTRUCTIONS

1. *Answer all the questions on the spaces provided.*
2. *All your working should be shown clearly.*
3. *You are allowed to use non-programmable calculators.*
4. *Do not use black in answering the questions. All diagrams should be drawn using pencils.*

TOTAL MARKS: 50

SECTION A: MULTIPLE CHOICE QUESTIONS (20 MARKS)
Answer all questions. Each question carries 1 mark

1. Which ancient computing device is often considered one of the earliest tools for calculation?
   a) Slide Rule
   b) Abacus
   c) Pascaline
   d) Analytic Engine
2. Which device, developed by John Napier, used rods for performing calculations?
   a) Jacquard loom
   b) Difference Engine
   c) Napier's Bone
   d) Pascaline
3. The Pascaline is historically significant because it was a:
   a) Mechanical calculator
   b) Electronic computer
   c) Vacuum tube device
   d) Programmed loom
4. Which device introduced the use of punched cards to automate patterns, later influencing computer programming?
   a) Slide Rule
   b) Jacquard loom
   c) Analytic Engine
   d) Abacus
5. Charles Babbage designed which of the following, considered a predecessor to the modern computer?
   a) Analytic Engine
   b) Napier's Bone
   c) Slide Rule
   d) Pascaline
6. What was the principal technology used in First Generation computers?
   a) Transistors
   b) Vacuum tubes
   c) Integrated Circuits
   d) Microprocessors
7. The transition to the Second Generation of computers was marked by the use of:
   a) Transistors
   b) Vacuum tubes
   c) VLSI
   d) Bio-chips
8. Integrated Circuits (IC) were the defining technology for which generation? a) First
   b) Second
   c) Third
   d) Fourth
9. Which technology allowed for thousands of transistors to be placed on a single chip during the Fourth Generation?
   a) Vacuum tubes
   b) Very Large Scale Integration (VLSI)
   c) Small Scale Integration
   d) Magnetic Drums
10. The Fifth Generation of computers is primarily focused on:
    a) Mechanical gears
    b) Transistors
    c) Artificial Intelligence/Technological advancement
    d) Vacuum tubes
11. The Slide Rule was primarily used for:
    a) Storing data
    b) Mathematical calculations