



EDO UNIVERSITY IYAMHO
Department of Computer Science
CMP 111: INTRODUCTION TO COMPUTER SYSTEMS

FIRST SEMESTER 2016/2017 EXAMINATION ACADEMIC SESSION

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

TIME ALLOWED: 2 HOURS

1. In the classification of computers based on age, identify all the generations of computers, stating clearly the major technological breakthrough for each generation.
2. What is a number system? Mention the number systems supported by the computer architecture
 - ii. Mention and explain the three basic parts of any computing device
3. Give solutions to the following mathematical operations in binary
 - a. 1011×1010
 - b. $1011111 - 101011$
 - c. Convert 0110100 to base eight
4. What is a flowchart?
 - a. Give all the symbols and their meanings in flowchart
5. Develop an algorithm and a flowchart for the solutions to the following problems
 - a. Finding the roots of a quadratic equation
 - b. Finding the distance between two points on a Cartesian plane
6. The following are the keywords in QBASIC programming language give their meaning
 - a. PRINT
 - b. LET
 - c. INPUT
 - d. END
 - e. REM
 - f. CLS
7. Write a QBASIC program to find the volume of a cylinder (the formula for the cylinder is $V = \pi r^2 h$)

