



**EDO UNIVERSITY, IYAMHO, EDO STATE**  
**FACULTY OF SCIENCE**  
**DEPARTMENT OF ICT & MATHEMATICS**

**COURSE TITLE: Programming Essential**

**COURSE CODE: CMP112**

**SEMESTER/SESSION: First Semester 2016/2017 EXAMS**    **TIME ALLOWED: 2:30hr**

**INSTRUCTION: Answer Any 5 (Five) questions.**

**Date : 15/05/2017.**

**Question: Introduction to Computer Programming**

1. (a) What is Computer Programming?
- (b) Explain the five aims of programming
- (c) Discuss the three stages of programming.

**Question: Computer Programming Language**

2. Discuss three languages in Computer and give their advantage and disadvantages
3. (a) Define Compiler and Interpreter
- (b) With the aid of a diagram explain program execution stages.

**Question: Algorithms Pseudo- Code and Flow Chart**

4. (a) Explain three Characteristics of an Algorithm
- (b) List five general rules for flowcharting
5. (a) Draw five Flowchart symbols and give their name and functions
- (b) Write pseudo-code and flowchart to read two numbers and find their sum

**Question: Introduction to Qbasic**

6. (a) Define variable and assignment statements
- (b) Discuss relational operators and Logical operators
7. (a) Mention the features of Qbasic
- (b) List three rules of Qbasic
- (c) Convert the mathematical expression into QBASIC assignment statement

$$x = \frac{a^3 - 7b^2}{3b + \sqrt{a}}$$