

BABCOCK UNIVERSITY
ILISHIAN-REMO
DEPARTMENT OF COMPUTER SCIENCE
MIDSEMESTER EXAMINATION

INSTRUCTION: DO ALL
SEMESTER: SECOND
LECTURER: AKANDE O.

COURSE CODE: COSC102
SESSION: 2017/18
TIME: 35 MINUTES

- 1 Write out the structure of the followings control structures:
 - Single option if statement
 - Alternate option if statement
 - Nested-if
 - Compound-if or if-else-if
- 2 Using switch-case write a C++ program to develop an application that simulates an ATM machine interface. The simulation should include the followings ATM operations:
 - Withdrawal
 - Enquiry
 - Transfer
 - Airtime Recharge
- 3 Develop an application that computes both the force applied to an object and area of a square.
Hint: Force= $m \times g$ (where m =mass of an object, g =acceleration due to gravity), Area of square=length \times length.
Hint: g is a constant and use define macro function for computing square