ELIZADE UNIVERSITY

ILARA-MOKIN

FACULTY: BASIC AND APPLIED SCIENCES
DEPARTMENT: MATHEMATICS AND COMPUTER SCIENCE
1st SEMESTER EXAMINATION
2017 / 2018 ACADEMIC SESSION

COURSE CODE: CSC 201

COURSE TITLE: Computer Programming I (Python)

COURSE LEADER: Dr. E. Ayetiran & Mr. O. Babalola

DURATION: $2^1/_2$ Hours

HOD's SIGNATURE

INSTRUCTION:

Candidates should answer any THREE Questions.

Students are warned that possession of any unauthorized materials in an examination is a serious offence.

1. (a) In the context of programming, what is iteration?

   (b) Write a python program to iterate over and add all the elements of a list named "Scores" which consists only of integers.

   (c) List 5 arithmetic operators and 5 logical operators in Python, draw a table of precedence for the operators you listed.

2. (a) List 10 types of exceptions Python is capable of managing.

   (b) Write a code snippet showing exception management.

   (c) Mention python control statements and explain how each works

3. (a) Consider the following string: "Welcome to python programming". Write a code snippet each to:

   (i) Assign a variable to the string

   (ii) Split the string into individual words

   (iii) Concatenate the first and the last words

   (b) Write a program to accept students score as input and determine the grade using the following criteria:

Score	Grade
70 - 100	A
60 - 69	B
50 - 59	C
45 - 49	D
0 - 44	F
Any other score	Wrong Score

4. (a) What is the difference between arguments and parameters in a function?

   (b) What is a block? Write Python code to illustrate a block.

   (c) List (with examples) some Python data types.

5. (a) When do you need the import statement in Python?

   (b) Define a function that can accept an integer number as input and print the "The number is even number" if the number is even, otherwise print "It is an odd number".

   (c) Differentiate between a list and a tuple. Give examples