COURSE CODE: CIT736
COURSE TITLE: COMPUTER PROGRAMMING
CREDIT UNIT: 2
TIME ALLOWED : 2HRS
INSTRUCTION: ANSWER QUESTION ONE AND ANY THREE QUESTIONS

1. (a) Differentiate between computer program, computer programming, and computer programmer.   (6**marks**)
 (b) What is a Binary numeral system?   **(4 marks)**
 (c) Write an example of a programme structure in Fortran 90/95 program. **(5 marks)**

 (d) List and explain any 5 standard input and output routines supported in Pascal. **(5 marks)**

  (e) With suitable example, differentiate between REAL and INTEGER numbers. **(5 marks)**

2. (a) Briefly describe the role of debugging in computer programming project (**7 marks**)

 (b) Differentiate between Correcting Design-Time errors and Runtime errors (**8marks)**

3. (a) List and explain 5 types of errors known to you. **(10 marks)**
     (b) What is a Translator **(5 marks).**

4(a)   State and explain the general form of a computer program main unit (main program).
                                                        (10 marks)
   (b) Briefly differentiate between the followings: (5 marks)
    i.   Assembler
    ii.   Compiler

   5. Using the FORTRAN 90/95, write a program that will compute and output the sum and product of three numbers. **(15 marks)**