Click to download more NOUN PQ from NounGeeks.com



NATIONAL OPEN UNIVERSITY OF NIGERIA JABI FCT ABUJA **FACULTY OF SCIENCE**

CIT736: Computer Programming TIME ALLOWED: 3Hours

INSTRUCTION(S): Attempt any Four (4) questions

Question 1

- a) List and briefly discuss using appropriate examples of the different types of data types used in Pascal programming - 7.5 marks
- As computer programmer, discuss any five features that satisfactorily qualify a b) program to be good

Question 2

- a) In Programming language, when are case statement preferred to the IF statement 5marks
- b) Differentiate between static and dynamic arrays 7.5 marks
- c) Reserved words in Pascal have their standard and predefine meaning. List any ten of them

-5 marks

Ouestion 3

- As a student of programming, discuss in details any 6 programming methodologies a) that you know - 6 marks
- Develop a program in FORTRAN to find the sum and product of 5 students TMA b) scores as follows score 1 =23, score 2= 27, score 3=29, score 4= 24, score 5= 28.
 - 6.5 marks
- Explain any five types of program errors that you know - 5 marks c)

Ouestion 4

- a) Explain the concept of modular programming
- 3.5 marks

- b)
- What are procedures and functions? i.

- 2 marks
- How are procedures and functions interrelated? 2 marks
- c) List and explain any 10 input and output routines in Pascal

10 marks

Question 5

- State the format for the if ..then..else control structure in FORTAN Programming? a)
 - 6 marks
- . List any 10 of them b) Fortran 90/95 has so many features - 5 marks
- Write a program in FORTRAN to convert centimetres into inches 6.5 marks c)