



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi- Abuja

FACULTY OF EDUCATION

2020_1 Semester

COURSE CODE: EDU758
COURSE TITLE: COMPUTER METHODS
CREDIT UNIT: 2
TIME ALLOWED: 2HOURS
INSTRUCTION: Answer Question One and Any Other Two

QUESTION ONE

(a) Computer generations vary in their hardware and software technologies. Each of the generations are best described using their features, examples, advantages and disadvantages. Given the foregoing background, give a DETAILED description of the first generation computer; citing as many features, examples, advantages and disadvantages as possible. **20 marks**

(b) Computer managed instructions (CMI) is said to be very useful. This is because it consists of applications designed for specific purposes. Justify this. **10 marks**

QUESTION TWO

(a.) Define Abacus (3 marks)

(b.) The Abacus defined above was said to be the first counting and computing device. After it however, some other devices were invented. One of such is the Napier Bones. Provide a succinct description of the Napier Bone to include specifically; (i) the year of invention (ii) the inventor (iii) his/her nationality (iv) one sentence description of the device (v) one sentence description of what it does. **(7 marks)**

(c.) Sometime in the 17th century, a success was achieved on the invention of a digital counter, capable of assisting in the addition of long columns of figures. This device is known as PASCALINE. Give a brief description of Pascaline that must include the following; (i) the year of invention, (ii) the inventor's full name, (iii) his/her nationality, (iv) one sentence description of the device and (v) state three principles in the device that were used in later inventions. **(10 marks)**

Question Three

Enumerate five Input devices and give a brief explanation of how they work and their functions **20 marks**

Question Four

(a) Define Assessment Software; (b) Highlight and discuss four characteristics of Type II applications. **20 marks**