



# **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 17<sup>th</sup> 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**