

MICHAEL OKPARA UNIVERSITY OF AGRICULTURE, UMUDIKE

COLLEGE OF PHYSICAL AND APPLIED SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

FIRST SEMESTER EXAMINATION

SESSION: 2013/2014

COURSE TITLE: INTRODUCTION TO COMPUTER

COURSE CODE: CIMP112

TIME: 1hr 45mins

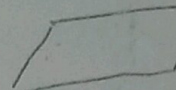
ANSWER ALL IN SECTION A AND TWO FROM SECTION B.

SECTION A: SUPPLY ONLY THE ANSWERS SERIALLY.

1. Mention any two examples of machine dependent programming languages.
2. The manipulation of data to get the required output is called -----
3. What are the 2's complement of 10011011 and 000110011?
4. The binary number conversion of 6.625 base 10 is
5. Program translators are examples of
6. The four basic tasks of a digital computer are
7. What is the sum of 1100101.11, 1101 and 11.001 all in base 2?
8. What operations are defined by the use of parallelogram in program flowchart?
9. $X_{16} = (22F4 + CD + 11AB)_{16}$. Find X.
10. Mention two examples of randomly accessed storage media.
11. Program statement existing in non-machine understandable format is called
12. The computer keyboard is classified into and
13. Other named for motherboard are and
14. Mention any of the two characteristics that identify the fifth generation computers.
15. The second generation computers are also known as
16. The menu option for executing a program in Basic Programming Language is
17. Mention the classification of computers based on the data they process.
18. The key that is pressed to activate the uppercase alphabets is called
19. The assembler is not an example of the system software (True / False).
20. Internet Explorer is an example of system software (True / False)

base 2

6.625



SECTION B

1. The staff salary of MOUAU is computed by 5% tax deduction for workers whose basic salary is greater than N50,000.00.

Design a program flowchart to illustrate this computation.

Write a Basic program to implement the program flowchart (in 1a).

(Input/Output: Staff name, staff id, basic salary, tax deduction and net pay.)

If a worker's basic salary is N50,000.00, what is his TAX DEDUCTION and NETPAY?

Tax 2,500 net pay = 47,500

- a. Define algorithm specifying the major types you know.
- b. Describe the levels of computer programming languages and give two examples of each.
- c. Diagrammatically illustrate the relationship among the hardware components of a digital computer system.
 - a. Describe the following and give an example of each: i. impact printer ii. Non-impact printer
 - b. Provide four examples of the following:

i. System software	ii. Items on the motherboard
iii. Storage media	iv. Application software

- (i) Define the term "system".
- (ii) Describe any three systems you know.