GWANDA STATE UNIVERSITY

Excellence through Esprit De Corps...

FACULTY OF NATURAL RESOURCE MANAGEMENT AND AGRICULTURE

COURSE CODE   :   BAC1206

COURSE NAME   :   INTRODUCTION TO IT

INSTRUCTIONS:

Answer ALL QUESTIONS in Section A and answer TWO QUESTIONS in Section B.

TOTAL MARKS   : 100

SECTION A: Answer ALL QUESTIONS in SECTION A (50 Marks)

QUESTION ONE

Explain the following terms, giving an example of each

    a) AI   [2]
    b) IOT   [2]
    c) e-commerce   [2]
    d) Database Management   [2]

QUESTION TWO

State four uses of IOT in people's daily lives   [4]

QUESTION THREE

What are the impacts of the Internet in our daily lives?   [4]

QUESTION FOUR

Differentiate between Data and Information   [4]

QUESTION FIVE

Explain four qualities of a computer   [4]

QUESTION SIX

Explain the classification of computers according to the following criteria:

    a) Size   [4]
    b) Computer generations   [4]
    c) Purpose   [4]
    d) Technology   [4]

QUESTION SEVEN

Using HTML and CSS, create a simple form that can capture basic user information such as first name, last name, and former school. The form should have a simple bootstrap button with the caption "Submit", upon clicking submit the form should validate if all fields are filled (you can use which ever method suits you).   [10]

SECTION B: Answer TWO QUESTIONS in SECTION B (50 Marks)

QUESTION EIGHT

a) Briefly explain the term "Operating System", stating and describing THREE (3) types of operating systems and their characteristics. [15]

b) Name any 4 database management systems. [4]

c) Name and briefly describe 3 data types in Hypertext Preprocessor Language [6]

QUESTION NINE

a) Using Php write a method / function that calculates the division of any given 2 floating points and returns the product value. [5]

b) Explain the difference between the terms 'computer' and 'computer system', giving one example of each. [4]

c) Describe the negative impacts of the Internet in the following places:
   - i.   the school [2]
   - ii. the home [2]
   - iii. the workplace [2]
   - iv. the community. [2]

d) Explain the term "Open Software", focusing on its differences with other types of software and its use [5]

e) Name THREE (3) Operating Systems that can be run on a smartphone [3]

QUESTION TEN

Your mother has given your grandmother a computer as a gift. Your grandmother is a retired typist only familiar with a typewriter but not familiar with computers. However, she is looking forward to learning about using the computer. Your mother has asked you to write a simple step-by-step guideline to help your grandmother understand the components of a computer and their functions. Write a comprehensive manual to explain the components, their functions and standard software packages for a computer to help your grandmother. [25]

END OF EXAMINATION PAPER