



FOUNTAIN UNIVERSITY, OSOGBO  
DEPARTMENT OF MATHEMATICAL AND COMPUTER SCIENCES  
FIRST SEMESTER EXAMINATION 2021/2022 SESSION  
COURSE TITLE: INTRODUCTORY TO COMPUTER 1 Unit: 3UNITS  
COURSE CODE: CPS 101 Duration: 2 Hrs

**INSTRUCTION:** ATTEMPT SECTION A BY WRITING THE CORRECT ANSWERS IN YOUR ANSWER BOOKLET AND ANY THREE (3) QUESTIONS IN SECTION B

**SECTION A: Answer All Questions**

**[30marks]**

1. A statement that executes to either true or false is known as ----- statement.
2. Some of the features of a Word Processor are-----, -----, -----, -----, and -----.
3. The basic operations of computer systems include -----, -----, -----, -----, and -----.
4. The central processing unit is a subunit of the computer system which is made up of the -----, -----, and -----.
5. The following are 2 examples of peripheral devices. ----- and -----.
6. Computers can be classified into four categories namely -----, -----, -----, and -----.
7. What differentiates the CPU from the Systems unit? -----.
8. ----- is an example of an analog computer.
9. ----- and ----- are examples of pointing devices.
10. First generation computers make use of -----.
11. Supercomputers are special-purpose computers manufactured for applications in areas like -----, ----- and -----.
12. ----- and ----- are examples of supercomputers.
13. Examples of mainframe computers include ----- and -----.
14. The development of ----- led to the inventions of 2nd generation computers.
15. Early computers were rarely owned by individuals but rather confined to the laboratories and few research institutes because -----.
16. A system can be defined as-----.
17. ----- and ----- are methods of data processing.
18. Red Hat Linux and Windows server are good examples of ----- operating system.
19. ORACLE 11g is a good example of a ----- software package.
20. SQL is an acronym which means -----.
21. JAVA, PYTHON, and ALGOL are examples of ----- language.
22. Microsoft Excel is a good example of a ----- Software.
23. ----- is a step by step order that consist of actions to solve a computing problem.

24. A schematic or pictorial representation of a sequence of operations to be performed by a computer program is known as-----
25. Diamond shape is used to represent ----- in the flowchart.
26. Computer is used in almost every aspect of our life. True / False.
27. Direction or flow of information within a flowchart is represented by -----
28. ----- are visual presentation on some surfaces such as wall. Canvas, computer screen etc.
29. ----- is the ability to process natural language.
30. The control unit is responsible for ----- and -----
31. Data coming to the computer are received by ----- and passed to -----
32. A result displayed on the monitor is referred to as ----- while the output printed on paper is called -----
33. EEPROM stands for -----.
34. A system software is defined as -----.
35. The major function of utility program is -----
36. ----- distinguishes a Compiler from an Interpreter.
37. ----- and ----- are examples of an operating system.

## SECTION B

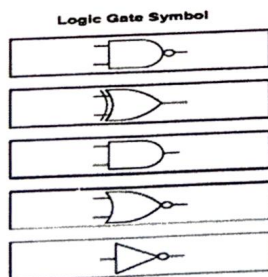
Attempt all questions in part A and one from each of the remaining parts in this section B, All questions carry equal marks.

### PART A

Q1. (a) the diagram below shows five logic gate symbols and five names.

[5marks]

Draw a line between each logic gate symbol and its correct name



Name
AND
NOT
NOR
XOR
NAND

(b) Complete the truth table for the NOR gate

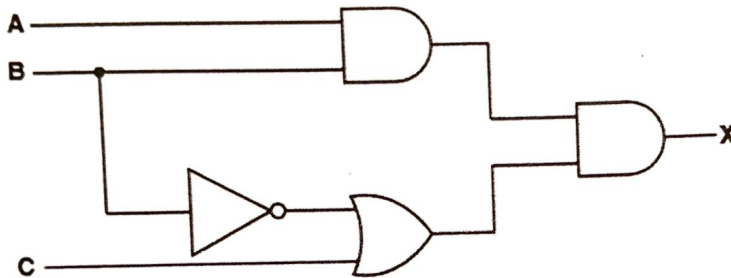
[5marks]



A	B	Output (X)
0	0	
0	1	
1	0	
1	1	

- (c) Write a logic statement that corresponds with the following logic circuit.

[5marks]



### PART B

- Q1 a) "The internet today is more of a curse than a blessing to our society"

[10marks]

Discuss the validity or otherwise of the above statement concerning the use and abuse of this technology innovation, giving concrete examples where necessary.

- b) List the attributes which make the internet unique?

[5marks]

- Q2. (a) Discuss 5 of the basic elements of programming Languages.

[5marks]

- (b) Complete the table below showing all your work.

[10marks]

Decimal	Binary	Octal	Hexadecimal
33			
	1110101		
		703	
			1AF

**NB: THE USE OF A CALCULATOR IS NOT ALLOWED**

### PART C

Q1 (a) Discuss the major functions of a Computer System.

[5marks]

(b) With the aid of a diagram, briefly explain the major components of computer hardware.

[10marks]

Q2 (a) Explain why is Operating Systems described as a master programme?

[6marks]

(b) Differentiate between the following:

- i. Hardware and Software
- ii. RAM and ROM.
- iii. System software and Application Software

[3marks]

[3marks]

[3marks]

-----END-----