COURSE TITLE: INTRODUCTION TO COMPUTING
COURSE CODE: COM 111   UNITS: 3   TIME ALLOTTED:3 HRS
CLASS: COMPUTER SCIENCE ND I   (FULL-TIME & PART-TIME)

GENERAL INSTRUCTIONS: Attempt all questions in **Section A** and any three (3) questions in **Section B**. Attempt only one in **Section C**

2. Write only your Matric number on this question paper and nothing else.

SECTION A

1. Computer utilities such as download managers are called
a) maintenance program   (b) general purpose program
c) house-keeping software   (d) useful software

2. Confidentiality is related to
a) Computer software   (b) Computer Hardware
c) Computer Security   (d) All of the above

3. Malware may include
a) virus   (b) bugs   (c) spam   (d) All of the above

4. Password is often validated using Type check x
      (a) False   (b) True

5. One of the problems associated with computer is
a) Malware   (b) Health Hazards
c) Data manipulation   (d) All of the above

6. Which of the following statement is false?
a) Super computer is fast (b)Security is related to storage
c)Viruses are userful programs (d)All of the above

7. Computer inputs is obtained using
a) instructions (b) speaker   (c) microphone   (d) Menu

8. The largest computer is
a) Supercomputer (b)PDP DEC-11 (c) Mainframe (d) ENIAC

9. Impact printers are make noise
      (a) False   (b) True

10. The standard output devices are
a) Monitor and Scanners   (b)Monitors and Printers
c)Printers and Webcam   (d) Keyboard and Printers

11. Frequently used instructions are stored in Cache
a) True   (b) False

12. What is the name for the arrangement of a computer network
a) Layout (b)Topology (c)Broadband (d) Channel

13. Browsers are programs for displaying
a) Servers   (b)Websites (c) Services (d) Clients

14. E-Book reader is an example of
a) Input Hardware   (b) Output devices
c)Secondary storage   (d) Communication devices

15. Computer processes data by
a) Calculating (b)Comparing (c)Copying (d)All of the above

16. A small specialized program for external devices is
a) Generator   (b)Editor   (c)Modem   (d) Device driver

17. The main function of the CPU is to
a) control apps   (b) interpret and executes instructions
c) run programs   (d) compare and store commands

18. Computer security involves
a) Information security   (b) Physical security
c) All of the above   (d) none of the above

19. The development of computer is called
a) Evolution of computers   (b) Generations of computers
c) Computer development   (d) None of the above

20. Programs are converted using ___
a) DBMS (b)Translator (c) Operating system (d) Utilities

21. Computer store all data in
a) ALU   (b)Virtual forms (c)Binary codes   (d)ROM

22. Which of the following can broadcast images over the internet?
a) Scanner (b)Webcam (c)Digital video (d) Mouse

23. A website unique address is called
a) FTP   (b) URL   (c)HTTP   (d) SMTP

24. Bus are connecting
a) File Editor   (b)Socket
(c)Instruction   (d) Program

25. Google Drive is an example of
a) memory (b)Internet storage (c) File (d) Location

SECTION B

1. The management of Moshood Abiola Polytechnic recently completed the automation procedure for students' registration. You have been called to discuss this development. Hence, provide responses to the following:

(a) Suggest five hardware devices for obtaining student's details on the new system   (5 marks)
(b) Describe five reasons why this approach is becoming popular in most schools   (5 marks)
(c) State five environmental conditions for optimum working of the new approach   (5 marks)
(ii) Describe any five roles of OS in this approach   (5 marks)

2: (a) Differentiate between the following terms:
i. Trojan horse and Spyware
ii. Operating Systems and End-User programs
iii. Ports and Bus
iv. Cache and Virtual memory
v. Physical storage and Internet storage   (20 marks)

3.. (a) Describe the concept of Data Validation. Hence, enumerate any four data validation techniques you know.   (10 marks)

(b) Explain the following data processing modes:
i. Batch processing   ii. Real-time processing   iii. Online processing   (6 marks)
(c) Differentiate between Centralized and Decentralized Data Processing Department   (4 marks)

4. (a) Differentiate between Physical Security and Information Security   (4 marks)
(b) Describe computer attacks. Hence, explain any four kinds of computer attacks   (10 marks)
(c) Describe the concept of CIA as it relates to Computer Security   (6 marks)

Section C

1. Complete the table below:

S/N	BINARY	OCTAL	HEXA-DECIMAL
1			44B
2		128	
3	010011011010		
4		5274	
5			9F1

b. Explain computer system booting sequence.
c. JUMOKE is a student of Environmental Science Department of MAPOLY.
He purchased 12.5GB of MTN data to surf on the internet under a stable data transmission of 158kb/
Calculate how long will it take him to exhaust the data purchased and leave your answer in hour.

2. How long will it take to exhaust 100GB of data under a stable transmission of 303byte/sec. and leave you answer in days.

b. With the aid of diagram, describe types of computer network in terms of physical appearance.

Complete the table below:

S/N	BINARY	OCTAL	HEXA-DECIMAL
1	000011100011		
2		3223	
3			EFCC
4		5274	
5			9FG