

**MOSHOOO ABIOLA POLYTECHNIC, ABEOKUTA**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**FIRST SEMESTER EXAMINATION 2022/2023 SESSION**

**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. Which of the following is correct?  
a) 124<sub>3</sub> (b) 235<sub>4</sub> (c) 101<sub>1</sub> (d) 345<sub>6</sub>
2. Which of the following is correct?  
a) www.mapoly.edu.com (b) www.mapoly.org  
c) www.mapoly.edu.ng (d) All of the above
3. A bulk of unsolicited electronic messages is called  
a) virus (b) bugs (c) spam (d) hackers
4. Computer process data by comparing, cutting and calculating  
(a) False (b) True
5. One of the problems associated with computer is  
a) Availability (b) Surfing  
c) Data manipulation (d) None of the above
6. Which of the following statement is true?  
a) Super computer is fast (b) Computer stores data in Nibble  
c) Viruses are not malicious programs (d) All of the above
7. Input are \_\_\_\_\_ used by the computer system  
a) Instructions (b) virus (c) Integrity (d) Menu
8. The largest computer is  
a) Supercomputer (b) PDP DEC-11 (c) Mainframe (d) ENIAC
9. Impact printers are efficient and faster than non-impact printers  
(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  
a) Channels (b) Registers (c) Cache (d) RAM
12. The arrangement of a computer network is  
a) Layout (b) Topology (c) Broadband (d) Channel
13. Webpages are displayed and navigated using  
a) Servers (b) Websites (c) Browsers (d) Clients
14. NIC 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  
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 instruction  
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. The house-keeping software is often called  
a) DBMS (b) Translator (c) Operating system (d) Utility
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. The system software that rearranges file is  
a) File Editor (b) Disk File Locator  
c) Disk Defragmenter (d) Download manager
25. Google Drive is an example of  
a) memory (b) Virtual storage (c) File (d) Location



## SECTION B

- The Computer Science Department is currently digitizing student's election process. You have been called to discuss this development. Hence, provide responses to the following:
  - Enumerate any five advantages of this digitalization or computerization method (5 marks)
  - Itemize any five devices needed to obtain students' data or information (5 marks)
  - State five environmental conditions for optimum working of the new approach (5 marks)
  - Identify any five devices through which the election results can be displayed (5 marks)
- Write briefly on the following terms:
    - Cache
    - Malware
    - Topology
    - Network
    - Operating System
 (10 marks)
  - Differentiate between Data Validation and Data Verification using one example each (6 marks)
  - State any four modes of data processing (4 marks)
- Computer Security is very important in discussing the applications of computer in various disciplines. Hence, describe Computer Security and explain any four terminologies used in describing computer security (10 marks)
  - Write briefly on the three basic goals of Computer Security (6 marks)
  - Identify any four common web attacks you know (4 marks)
- Differentiate between System Software and Application Software (4 marks)
  - Describe any five major features of Generalized Application Software (10 marks)
  - State any six categories of Generalized Application Software (6 marks)

## Section C

Identify low

annulment low

annulment low

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

b. Explain steps involved in disassembling a system unit and state 5 precautions.

c. How many BIT, CRUMB and NIBBLE are there in the following:

  - 10.5GB
  - 11TB
  - 24MB

*Handwritten notes:* 105-  
10.5 x 1024 000 001
- List the common computing measurements/sizes as taught in COM111 Practical Class and give the values in standard and non-standard form at where necessary.
 

b. Convert the following numbers to binary:

  - 01E<sub>8</sub>
  - 08<sub>8</sub>
  - 08<sub>2</sub>
  - 12<sub>16</sub>
  - 12<sub>2</sub>

*Handwritten notes:* 105-  
10.5 x 1024 000 001
- Hilda is a student of Business Administration Department of MAPOLY. She purchased 12.5GB of M1 data to surf on the internet under a stable data transmission of 158kb/sec. Calculate how long will it take him to exhaust the data purchased and leave your answer in hour.