UNIVERSITY OF GHANA

DEPARTMENT OF TEACHER EDUCATION

SCHOOL OF EDUCATION AND LEADERSHIP

COLLEGE OF EDUCATION

END OF YEAR FOUR SEMESTER TWO EXAMINATION, 2023/2024

B.ED. PROGRAMME

COURSE CODE: **TEJS 404**

COURSE TITLE: **LAB MANAGEMENT & PC MAINTENANCE**

Instructions: Answer **all** Questions in Section A and any **three in** Section B

Time: 2 hours

MARKING SCHEME

SECTION A

[25 Marks]

Answer **all** Questions in this section

SECTION A

1. What rules must users adhere to retain access to computers in a computer lab?
   A) Not using the computers for long hours
   B) Wearing a uniform
   C) User policy
   D) Keeping the lab clean

2. What is a cloud-hosted learning platform that is made accessible to its users via web browsers?
   A) Learning Management System
   B) Online Learning Environment
   C) Web Portals
   D) Virtual computer lab

3. System software is the set of programs that enables your computer's hardware devices and _____ software to work together.
   A) management
   B) application
   C) processing
   D) utility

4. How can cloud based computer labs be accessed?
   A) By using online portals
   B) By downloading software
   C) Through apps
   D) By simply using internet browsers

5. How are cloud-based learning materials kept up to date?
   A) Biannually
   B) As needed
   C) Annually
   D) In real time

6. What does the use of cloud-based learning platforms reduce the need for?
   A) Administrative tasks
   B) Time and costs of hiring staff
   C) Manual processes
   D) Hardware and infrastructure

7. What is the definition of a computer lab?
   A) Computer services are provided to a defined community
   B) A room for playing games
   C) A place for computer repair
   D) A place for software development

8. Visual studio, oracle, java net beans, etc. are examples of
   A) Data analysis
   B) Data transmission
   C) Data storage
   D) Latest licensed version software

9. The components that process data are in the:
   A) input devices.
   B) output devices.
   C) system unit.
   D) storage component.

10. Madam Dorathy turns on PC and the boot-up process halts, giving her the message "on-system disk or disk error......replace and press any key when ready", the problem is likely:
   A) a key on the keyboard is stuck and keyboard should be replaced.
   B) a non-bootable floppy disk is in the floppy disk drive and you should remove it.
   C) RAM has failed and you replaced it
   D) the hard drive has failed and should replace it

11. What is the significance of the "beep" during the boot process of a PC?
   A) The number of beeps describe the overall conditions of the PC's hardware.
   B) The number of beeps describe the quality of the processor
   C) The number of beeps describe the speed of the RAM
   D) You can tell how powerful the PC is by the loudness or intensity of the beeps

12. The following are the ways of connecting keyboard to system unit except the........
   A) P/S 2 PORT
   B) USB PORT
   C) VGA PORT
   D) WIRELESS

13. The expansion slot is based on
   A) motherboard
   B) DVD drive
   C) hard disk
   D) CPU

14. Troubleshooting can be best defined as
   A) a simple way of diagnosing a complex problem
   B) a systematic way of diagnosing a complex problem
   C) checking connections and reviewing error messages
   D) responding to questions posed by tech support

15. What is the first thing to do when your computer screen freezes?
    A) Reboot the computer
    B) Scan for the virus
    C) Unplug the power cable
    D) Wait for some time

16. Word processing, spreadsheet, and photo-editing are examples of:
    A) application software.
    B) system software.
    C) operating system software.
    D) platform software

17. Special designed computers that perform complex calculations extremely rapidly are called
    A) servers
    B) supercomputers
    C) laptops
    D) mainframes

18. Which of the following is the correct order of the four major functions of a computer?
    A) process, output, input, storage
    B) input, output, process, storage
    C) process, storage, input, output
    D) input, process, output, storage

19. All the following are pointing devices except..........
    A) bar code reader
    B) mouse
    C) stylus
    D) touch screen

20. The CPU consists of two main parts namely the control unit and the.......
    A) ALU
    B) hard disk
    C) RAM
    D) ROM

21. The binary language consists of _____ digit(s).
    A) 8
    B) 2
    C) 1,000
    D) 1

22. The metal or plastic case that holds all the physical parts of the computer is the:
    A) system unit.
    B) CPU.
    C) mainframe.
    D) platform.

23. The steps and tasks needed to process data, such as responses to questions or clicking an icon are called:
    A) instructions.
    B) the operating system.
    C) application software.
    D) the system unit.

24. The operating system is the most common type of _____ software.
    A) communication
    B) application
    C) system
    D) word-processing software

25. Which of the following controls the way in which the computer system functions and provides a means by which users can interact with the computer.
    A) the platform
    B) the operating system
    C) application software
    D) the motherboard

SECTION B

[75 Marks]

*Answer any **three** questions in this section*
QUESTIONS AND ANSWERS

1. State and explain *five* characteristics of a computer.   [25marks]

2. Explain *five* types of computer   [25 marks]

3. Discuss *five* importance of PC maintenance.   [25 marks]

4. (a) What is a computer lab?   [5 Marks]
   (b) Explain any 4 types of Computer Lab   [20 Marks]

5. Explain 5 Rules for Protecting Equipment in computer lab   [25 marks]