RÉPUBLIQUE DU CAMEROUN

Pais-Travail-Patrie

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MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR

....

COMMISSION NATIONALE D'ORGANISATION DE L'EXAMEN

HIGHER NATIONAL DIPLOMA EXAM (HND)

....

REPUBLIC OF CAMEROON

Peace-Work-Fatherland

....

MINISTRY OF HIGHER EDUCATION

....

NATIONAL COMMISSION FOR THE ORGANISATION OF

HIGHER NATIONAL DIPLOMA EXAM (HND) EXAM

....

National Exam of Higher National Diploma 2023 Session

Specialty/Option: SOFTWARE ENGINEERING (SWE)

Paper: DIGITAL LITRACY

Duration:2 HOURS   **credit:1**

Instructions: Follow the instructions below carefully

- This paper contains two sections; Section A (50%) and Section B (50. Answer all
- questions in each section.
- The respective mark(s) of each question is indicated.
- It is a closed book exam and pre-prepared material is not authorized.
- Should any student encounter any difficulty, only the examiner(s) in the examination hall
- should be contacted

SECTION A: GENERAL COMPUTER KNOWLEDGE   **(50 marks)**

I- MULTIPLE CHOICE QUESTIONS   **(20 marks)**

1. Which of the following is a temporal storage device?

   A. Rom

   B. RAM

   C. Hard drive

   D. Tape drive.

2. Which is considered the brain of a computer?

   A. Motherboard

   B. RAM

   C. CPU

   D. Power Supply

3. Which keyboard command is used to launch the start menu?

A. ALT +ESC

B. CTRL +ESC

C. CTRL +TAB

D. SHIFT + ESC

4. From which computer generation, did operating systems developed?

A. First

B. Second

C. Third

D. Fourth

5. Which generation of computer is still under development

A. Fourth Generation

B. fifth Generation

C. Sixth Generation

D. Seventh Generation

6. Which one of the following software applications would be the most appropriate for

performing numerical and statistical calculations?

A. Database

B. Document processor

C. Graphics package

D. Spreadsheet

7. The primary different between a LAN and WAN is:

A. Number of programs install

B. Variety of hardware devices

C. Distance

D. Number of hardware devices

8. Which of the following is designed to control the operation of the computer?

A. System software

B. Application software

C. User

D. Device drivers

9. Every device that is attached to the computer is connected to

A. Main memory

B. BIOS

C. Mother board

D. Monitor

10. Which of these device is not an example of a computer peripheral?

A. Hard disk

B. Mouse

C. Keyboard

D RAM

11. Is not an example of a multitask operating system

A.MS Access

B.MS Windows

C.MS DOS

D. All of the above

12. Digitization is the process of converting information into (1 mark)

A. an analog format

B. the analog and digital formats

C. a digital format

D. a matlab format

13. An example of low level language programing is:(1 mark)

A. Pascal

B. Fortran

C. Assembly language

D. C+

14. The language used by a computer is called: (1 mark)

A. english language

B. french language

C. binary language

D. computer language

15. Resources that can be managed by the operating system are: (1 mark)

A. hardware resources

B. graphical user interface, hard ware and software resources

C. graphical user interfaces

D. software resources

16. What is digital literacy

    A. course that deals with computers and internet

    B. One's ability to comprehend and manipulate digital information

    C. The ability to write codes and produce software

    D. None of the above

17. You create a presentation by using PowerPoint. Which of the following toolbars will you use to add geometric shapes to the presentation?

    A. Formatting

    B. Drawings

    C. Illustrations

    D. Reviewing

18. What is a computer network?

    A. A connection of two computers

    B. An interconnection of devices

    C. A connection of computers for sharing resources

    D. A service provider such as MTN and Orange

19. List two types of maintenance you know of

    A. Protective and Corrective

    B. Preventive and Corrective

    C. Corrective and Pre-emptive

    D. Protective and Creative

20. http://www.google.com is an example of a

    A. WWW

    B. URL

    C. HTML

    D. Mozilla Firefox

II- Structural Questions (30marks)

1. According to the generation of computers, explain the technology of the first generation computer.

    What device was used as Input at that time? **(5marks)**

2. Give any two characteristics of the computer and explain them. (5 marks)

3. Differentiate between computer architecture and computer organization? (4 marks)

4. List 4 advantages of digital communication over analogue communication. (4 marks)

5. Computer systems are made of both hardware and software

       a. List 10 hardware components of a PC. (5marks)

       b. How can software be classified. (2marks)

6. Define the following terms as used in computing (3 marks)

       a. Shareware

       b. Freeware

       C. Open source

7. List two differences between RAM and ROM? (2 marks)

SECTION B: WEB AND DIGITAL SOCIETY (50 marks)

I- WEB KNOLEGDE (20 marks)

1. Give the meaning of TCP, IP, HTTP, HTTPS, (2 marks)

2. Name 4 internet search engines. (4 marks)

3. Name 4 internet browsers (4 marks)

4. Differentiate between internet search engines and internet browsers (2marks)

5. What is internet of things? (2 marks)

6. Differentiate between the Web 1.0 and the Web2.0 (2marks)

7. Differentiate between the Web 3.0 and the Web 4.0? (2 marks)

8. Do you thing that e-banking is helpful for us? (2 marks)

II- Digital society (30 marks)

1. Give 2 advantages and 2 disadvantages of using social media.

2. Give two benefits each of E-health and E-banking?

(2x2=4 marks)

(2x2=4 marks)

3. What do you understand by fake news? and list two consequences of propagating fake news

(2x2-4marks)

Name the three services delivered by the cloud computing companies. (3x1 marks)

5. Explain the following:

Software piracy. (2 marks)

Media literacy.   (2 marks)

6. Explain what is digital communication and (b)state its 3 sources.   (5 marks)

7. Explain the following as used in emailing: (6 marks)

a. Spamming

b. Phishing

c. Attachments