

<b>GBHS YAOUNDE MOCK EXAMINATION</b>	<b>SUBJECT CODE NUMBER</b> 795	<b>PAPER NUMBER</b> 1
	<b>SUBJECT TITLE COMPUTER SCIENCE</b>	
CANDIDATE NAME: ..... CANDIDATE NUMBER: ..... CENTRE NUMBER: .....		
<b>ADVANCED LEVEL</b>	DATE:	

Time Allowed: One and a half hours

### INSTRUCTIONS TO CANDIDATES

Read the following instructions carefully before you start answering the questions in this paper.

Make sure you have a soft HB pencil and eraser for this examination.

1. Use a soft HB pencil throughout the examination
2. Do not open the booklet until you are told to do so.

#### Before the examination

3. Check that this questions paper is headed 'Advanced Level Information and Communication technology 796'
4. Insert the information required in the space provided.
5. Without opening the booklet, pull out your answer sheet carefully from inside the front cover of this booklet. Take care that you do not erase or fold the answer sheet or make any mark on it other than those asked for in this instructions.
6. Insert the information required in the space provided on the answer sheet using your HB pencil.

Candidate Name, Centre Number and Name, Candidate Number, Subject Code Number and Paper Number.

7. Answer all the 50 questions in the examination. All question carry equal marks.
8. Non-programmable calculators are allowed.
9. Each question has FOUR suggested answers: A, B, C and D . Decide on which answer is correct. Find the number of the question on the sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen. For example if B is your correct answer, mark as shown below:  
[A] ~~[B]~~ [C] [D]
10. Mark only one answer for each question. If you mark more than one answer, you will score a zero for that question. If you change your mind about an answer, erase that mark carefully, then mark your new answer.
11. Avoid spending too much time on any one question. You can come to these questions later.
12. Do all rough work in this booklet, using where necessary, and the blank spaces in the question booklet.
13. Mobile phones are not allowed in the examination room.
14. You must not take this booklet out of the examination room. All question booklets and answer sheets will be collected at the end of the examination.

1) Which of the following software enables the computer to understand human programming language?

- A Processor
- B Compiler
- C Editor
- D Database

2) Which of the following is not a design strategy?

- A top-down design
- B bottom-up design
- C Picture
- D Step wise refinement

3) Software that allows a team to have an electronic "face-to face" meeting when members are geographically dispersed

- A E-mail software
- B Chat room software
- C E-messaging software
- D Videoconferencing software

4) Which of the following is an example of open source system software?

- A Windows XP
- B Linux
- C Windows 7
- D Internet explorer

5) Which of the following is a transaction processing system?

- A Robot that sells in a supermarket
- B Point of sales system
- C Distributed computing system
- D Medical diagnostic system

6) Copyright laws

- A Prevent and punish people who duplicate open source software
- B Compensate authors for an intellectual art
- C Protect authors of their intellectual property
- D Defines principles in the field of authorship

7) Which of the following best describes the action of the hacker?

- A Unauthorised deletion of data
- B Unauthorised modification of data
- C Unauthorised access of data
- D Unauthorised copying of data

8) A communication device that allows a number of computing devices to share the same communication line is called

- A Distributor

- B gateways
- C Token ring
- D Multiplexer

9) The protocol CSMA/CD is used in a

- A. shared media
- B. Dedicated media
- C. Giga Ethernet (optical fibers)
- D. Radio waves

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11) Data as defined in data protector Act refers to

- A All unprocessed facts
- B Information about individuals who are still living
- C Information about living or dead people
- D Data that has been input in the computer

12) Which of the following is NOT performed by an operating software?

- A Scheduling a computer software
- B memory management
- C information system management
- D Providing user interface

13) Which of the following system is true about software packages?

- A The user interface and menu structures are alike
- B The file in one program can be opened through the others
- C The program constituting the package are grouped in the start menu
- D The files of the programs constituting the package have the same extension

14) The memory unit that communicates directly with the CPU is called the

- A. main memory
- B. Secondary memory
- C. shared memory
- D. auxiliary memory

15) Which of the following have the same function as the RAM?

- A Flash memory
- B Read only memory
- C Cache memory
- D Virtual memory

16) The program counter (PC) is

- A. an index number that increases every time a loop is executed
- B. the CPU register that indicates the address of the next instruction in a program
- C. a CPU register which stores the state of a process
- D. a CPU register that signals change of context

17) The mode of exchange of information between components of the computer one bit at a time over a single channel is called

- A parallel
- B Synchronous
- C Asynchronous
- D High speed

18) Which wireless standard will you use to design a wireless computer network within a radius of 100 meters?

- A Wifi
- B infra red
- C Bluetooth
- D Fiber-optic

19) Which of the following devices does not function at the physical layer of the OSI reference model?

- A Hub
- B Switch
- C Bridge
- D Router

20) "process data in time to affect the next input" is best described by the term

- A Real-time processing
- B spooling
- C Batch processing
- D Queuing

21) Which of the following is the type of operating system?

- A Multi-user
- B Multi-duplex
- C Win 32
- D Multi-time

23) Which of the following people are responsible for preparing users to accept a new information system even before it is in place

- A System analyst
- B programmers
- C Trainers
- D Database administrators

24) The ability for software to translate voice into text is known

- A Speech recording
- B Speech recognition
- C Speech translation
- D Speech digitisation

25) Which of the following scanners can be use to capture and to convert hand-writing text into editable text?

- A OMR
- B MICR
- C Barcode reader
- D OCR

26) Which of the following can serve as an organisation's standard for input control?

- A Two persons input the same data and the software compares
- B Getting an experienced data entry operator
- C Using validity checked software
- D Avoiding noisy environments

27) The system that stores data to process after a period of time is known as

- A Periodic processing
- B Stream-processing
- C On-line transaction processing
- D Batch processing

28) 1 picosecond is equivalent to

- A  $1.0 \times 10^{-10}$  seconds
- B  $1.0 \times 10^{-6}$  seconds
- C  $1.0 \times 10^{-9}$  seconds
- D  $1.0 \times 10^{-12}$  seconds

29) The approach in which a new system is built by evaluating a model of the system is called

- A Simulation
- B Prototyping
- C Imitation
- D Modeling

30) Which of the types of language is not a high-level programming language?

- A imperative
- B declarative
- C object oriented
- D assembly

31) Debugging is:

- A. creating program code
- B. finding and collecting errors in the program code
- C. identifying the task to be computerized

D. correcting the algorithm

32) A computer program that translates one program instruction at a time into machine language is called a/an

- A. interpreter
- B. assembler
- C. compiler
- D. translator

33) In designing a new system, it is important to diagrammatically represent the organisation's departments, users, programs and data that will play a role in the system. This diagram is called?

- A Data flow diagram
- B Structural analysis diagram
- C Entity-relationship diagrams
- D Design tools diagram

26) SQL stands for

- A standard query line
- B standard query language
- C structure query language
- D structure query line

27) The word "attributes" in a database are properties of

- A A database
- B A field
- C A record
- D An entity

29) The field in a database that uniquely identifies a record in a table is

- A Secondary key
- B Foreign key
- C Primary key
- D Unique key

30) One main property of a 4GL that a 3GL does not have is

- A Procedural
- B Non procedural
- C Machine independent
- D Machine dependent

31) Which of the following are parts of the CPU?

- A Arithmetic logic unit, control unit and RAM
- B Arithmetic logic unit, RAM and Register unit
- C Control unit, Register unit and Arithmetic logic unit
- D Control unit, Arithmetic logic unit and processing unit

32) The register in the CPU that keeps track of the address of the memory location of the next instruction is called

- A Memory address register
- B Program counter
- C Instruction register
- D Memory data register

33) The utility that writes all the part of a file in to contiguous clusters of a hard disk is called

- A scandisk
- B antivirus
- C File manager
- D Defragmentation

34) For the website <http://www.crm.cm>, the top level domain is

- A www.
- B .crm.cm
- C .cm
- D www.crm

35) To view a web page we use a

- A Web processing application
- B Browser software
- C Web authoring
- D System software

36) Scamming is fast becoming a recurrent computer crime worldwide. One of the ways to combat this crime is :

- A Legislation
- B Bank controls
- C Parental advice
- D Data protection act

37) A double layer DVD can store 8.5 GB of data. How many CDs of storage capacity 700 MB are required to store information in a full DVD.

- A 12
- B 13
- C 82
- D 83

38) The image quality of a monitor is determined by the

- A Colour display
- B Resolution
- C Colour graphics display
- D Output capacity

39) Part of a good computer maintenance routine should be keeping your antivirus and antispyware \_\_\_\_\_ updated

- A software

B definitions

C website

D computer

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40) Which of the following is an activity in the design stage of the development of a system?

- A Checking that the system gives the required output
- B Plunge
- C Interviewing future users about their requirements
- D Creating the data and file structure.

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41) The conversation method in which you target only a portion of a new system is called

- A Serial
- B Pilot
- C Parallel
- D Piecemeal

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42) Which of the following structures supports LIFO?

- A queues
- B stacks
- C arrays
- D Harsh tables

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43) A graphical representation of an algorithm is known as

- A Pseudocode
- B Flow chart
- C control flow chart
- D Gantt chart

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44) A set of instructions written in a programming language is known as

- A Pseudocode
- B Source code
- C Algorithm
- D Data flow chart

45) Which of the following types of program errors is the easiest to correct ?

- A syntax error
- B runtime error
- C logic error
- D global error

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46) Find the decimal equivalent of the sum of the two binary numbers  $(1010101)_2$  and  $(1001010)_2$

- A 159
- B 85
- C 74
- D 109

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47) Which of the following system is knowledge-based?

- A Expert system
- B Artificial intelligence
- C Natural network system
- D Information system

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48) Which of the following is correct in Boolean logic?

- A  $0 \text{ AND } 1 = 1$
- B  $1 \text{ AND } 0 = 1$
- C  $0 \text{ OR } 1 = 1$
- D  $1 \text{ OR } 0 = 0$

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49) Transmission of signals between a television set and its remote control is an example of

- A Infrared transmission
- B Optic Fiber transmission
- C Bluetooth transmission
- D Radio wave transmission

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50) The main reason for the twisting of a twisted pair cable is

- A Allow for much cable within a short distance
- B To reduce the effects of electromagnetic interference
- C For convenience or policy of the computer
- D Increase the quality of signals/data to be transmitted

**STOP**

**NOW GO BACK AND CHECK YOUR WORK**