

MORULEM GIRLS' SECONDARY SCHOOL
MOCK EXAMINATIONS
COMPUTER STUDIES P840/1
Time: 2hrs 30 Minutes.

NAME:..... INDEX NO:.....

INSTRUCTIONS TO CANDIDATES:

- ❖ This paper consists of three sections A, B and C.
- ❖ Section A contains 20 compulsory objective type questions. The correct alternative A, B, C or D must be written in the box provided on the right hand side of each question.
- ❖ Section B contains six compulsory structured questions.
- ❖ Answers to section B must be written in the spaces provided in the question paper.
- ❖ Section C contains three essay questions answer only one. Answers to section C must be written in the answer booklet provided.

SECTION A. (20 MARKS)

1. The is an electrical path for data to flow from one point to another in a circuit.
A. System clock
B. Buffer
C. bus
D. ALU
2. The slide sorter command is associated with programs.
A. Word processing
B. Spreadsheets
C. presentation
D. data base.
3. Off-shelf soft ware are examples of
A. High level languages
B. Application software
C. Utility software
D. operating system
4. The word processing term similar to a dictionary is called a.....
A. Mail merger
B. Spell checker
C. word wrap
D. word scanner
5. The is an example of system soft ware that uses command line interface.
A. DOS
B. Macintosh
C. windows
D. Novell
6. The grammar of programming language is called
A. Syntax
B. Methodology
C. Documentation
D. Flow charts

7. Commands or formulas you create and store in a spread sheet are called
 - A. Icons
 - B. Template
 - C. Graphics
 - D. Macros
8. Restarting a computer using control keys can be technically called.
 - A. Booting
 - B. Warm booting
 - C. Cold booting
 - D. packet wsitching
9. The networking device that converts analog signals to digital signals and vice-versa is a
 - A. Protocol
 - B. Hub
 - C. server
 - D. modem
10. In an email the provides information about the sender
 - A. Header
 - B. Subject
 - C. Attachment
 - D. Message
11. How many bits are in the word " MOCK-EXAMS"
 - A. 10
 - B. 80
 - C. 72
 - D. 64
12. Two types of memory chips are RAM and
 - A. RISC
 - B. MCA
 - C. CD-ROM
 - D. ROM
13. The standard markup language used in creating most web pages is
 - A. UTTP
 - B. TCP
 - C. URL
 - D. HTML
14. The following are web browsers except
 - A. Internet explorer
 - B. Netscape navigators
 - C. Mosaic
 - D. Google.
15. The process of transferring files from a client computer to a server on the internet if referred to as
 - A. Saving
 - B. Up loading
 - C. Down loading
 - D. storing
16. Which one of the following is not a utility program?
 - A. Back up
 - B. Register
 - C. Defragmenter
 - D. Disk cleaning
17. The startup computer instructions on boot up are found in
 - A. Rom-Bios
 - B. CPU
 - C. Register
 - D. Config. sys
18. The process of writing a program is commonly called.
 - A. running
 - B. compiling
 - C. Coding
 - D. Debugging
19. Which one of the following makes up the last phase of system development.

- A. Feasibility study
- B. Maintenance

- C. Coding
- D: Testing

20. Which of the following may copy it self into memory or a disk drive until no more space is left?

- A. Virus
- B. Email
- C. Dirty data
- D. Antivirus

SECTION B (60 MARKS)

21. (a) Define the following terms in relation to computer communication and give an example in each case.

(i) Simplex:

.....
 (02 marks)

Example: (01 mark)

(ii) Full duplex:

.....
(02 marks)

Example: (01 mark)

(b) Mention any four methods that can be used to connect to the internet. (04 marks)

- (i)
- (ii)
- (iii)
- (iv)

22. (a) What is the difference between a flat file and a relational data base? (03 marks)

.....

(b) Mention any three advantages of an electronic data base over manual data base.

- (i)
-

- (ii)
.....
- (iii)
.....

(c) State any three data base applications. (03 marks)

- (i)
- (ii)
- (iii)

(d) Define the term a foreign key. (02 marks)

.....
.....
.....

23. (a) Explain any three stages involved in program development. (06 marks)

- (i)
.....
- (ii)
.....
.....
- (iii)
.....

(b) Using a computer programming language of your choice, write a computer program that will be used to find a product of two numbers (x, y).
(04 marks)

.....
.....
.....
.....

24. (a) State any four functions of operating systems. (04 marks)

- (i)
.....
- (ii)
.....
- (iii)
.....

(iv)

(b) List any two types of operating systems commonly used in computers. (02 marks)

(i)

(ii)

(c) (i) What is a programming language. (02 marks)

.....

(ii) Differentiate between machine language and high level languages. (02 marks)

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25. (a) Study the spreadsheet extract below and answer questions (i) –(iv)

	A	B	C	D	E	F	G	H
	NAME	MTC	ENG	SST	SCI	TOTAL	COMMENTS	
1.	Kalungi		42	30	51	62		
2.	Derrick		76	98	70	86		
3.	Joan		93	64	48	53		
4.	Derine		12	58	00	09		
5.	Andrew		47	72	33	12		

Insert a formula in H2 that returns a comment for pupils whose total score re below 150 as “Weak” and above or equal to 150 as “Excellent” (02 marks)

.....

Apply relevant formula to the following cells (03 marks)

(i) F2 to calculate for total marks of each pupil.

.....

(ii) C8 to return the maximum mark.

.....

(iii) D9 to return the minimum mark.

.....

(b) Name any three types of data that can be placed in a spread sheet cell. (03 marks)

(i)

(ii)

(iii)

(c) List any two examples of spreadsheet software that can be used.

(i)

(ii)

26. (a) List four advantages of a hard disk over a compact disk.(CD). (04 marks)

(i)

(ii)

(iii)

(iv)

(b) Describe the following

(i) Flash Memory.

(02 marks)

.....
.....
.....

(ii) Optical Character Recognition

(02 marks)

.....
.....
.....

(iii) Laser jet printer.

(02 marks)

.....
.....
.....

SECTION C (20 MARKS)

27. (a) Explain any five forms of computer crimes. (10 marks)
(b) Describe the ways of safeguarding against computer crimes. (10 marks)
28. (a) What are the factors that should be considered when choosing an ISP? (10 marks)
(b) Explain the reasons that can bring about slow speeds in an internet connection. (10 marks)
29. With use of illustrations, discuss any three network topologies. (20 marks)

END.