

451/1
COMPUTER
PAPER1
July/August 2008

MOLO DISTRICT MOCK EXAMINATION
Kenya Certificate of Secondary Education 2008

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COMPUTER
Paper 1
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MARKING SCHEME

16. Source code is the program written in a programming language object code is the program in machine readable form (a translated source program). (2mks)

- (b)
1. Start
 2. Input student mark
 3. Is mark $> 100 < 0$
 4. If yes display error message and Go to 2.
 5. If mark is = 70 print A Go to 11
 6. If mark is = 60 print D Go to 11
 7. If mark is = 50 print C Go to 11
 8. If mark is = 40 print D Go to 11 else print E
 9. Do you want to continue?
 10. If yes see principal Go to 11 otherwise Go Home.
 11. STOP. (6mks)

17. (a)
- (i) **Job replacement** - brings about elimination of jobs.
 - (ii) **Job displacement** - process of replacing manpower with computerization
 - (iii) **Computer illiteracy** - Lack of computer knowledge.
 - (iv) **Resistance to change** – People want to continue working manually resist new and advanced methods. (3mks)
- (b)
- Password control
 - Use of antivirus
 - Use access levels –filters information that one can view. (2mks)
- (c)
- (i) Expert systems
 - (ii) Improved surgery using laser brain surgery and heart surgery (2mks)
- (d)
- (i) Hardware configuration or provision of the computer e.g memory size
 - (ii) Basic design of the computer e.g IBM or Apple
 - (iii) Applications intended for the computer
 - (iv) Use friendliness or human computer Interface
- Explanation required. - 8mks*
18. (a)
- (i) **Cell** – An intersection between a row and a column
 - (ii) **Range** – A rectangular arrangement of cells specified by the address of its top left and bottom right cells, separated by colon (:)
 - (iii) **Value** – Numbers that can be manipulated mathematically.
 - (iv) **Function** : Inbuilt predefined formulae that the user can quickly use instead of having to create a new one each time a calculation has to be carried out. (4mks)
- (b)
- (i) Line spacing and character spacing – Indenting – Text alignment (3mks)
- (c)
- (i) Printing more than one page
 - Printing several copies of the same page
- (d) Work sheet is the working area in Microsoft Excel program. Work book is the file where several workbooks reside.
- (e)
- (i) (a) = (D1 + E1/100) * 40 (2mks)
 - (ii) (b) = sum (F1: G1) (1mk)
 - (iii) (c) = MAX(H1 : H6) (1mk)
 - (iv) (d) = MIN (HI : H6) (1mk)
 - (v) (e) = AVG (H1:H6) (1mk)
19. (a) Set of actions that you can create to help you to automate common tasks. A report is a data base object produces a summary of information held in a database. (2mks)
- (b)
- (i) Updating records
 - (ii) Editing records
 - (iii) Deleting records
 - (iv) Adding records
- 1 x 4 = 4mks

- (c) (i) Text
(ii) Number
(iii) Currency
(iv) Yes / No, Text 1 x 4 = 4mks
- (d) Admission number: It identifies the students uniquely because admission number cannot be the same even if the names are the same.
- (e) (i) Microsoft Access
(ii) Dbase
(iii) Quatro pro
(iv) SQL
(vi) Sys base
(or any other) $\frac{1}{2} \times 6 = 3\text{mks}$
20. (a) (i) **Internet** – Worldwide system of computer networks. (1mk)
(ii) **Domain name** – e.g. edu., org., com
It identifies the type of institution offering a particular service (s). (1mk)
(iii) **ISP** – internet service provider (1mk)
Company that provides access to internet (1mk)
(iv) **WWW** - World Wide Web (1mk)
A vast virtual space on the internet where information called website are install.
- (b) - **E-mail** – Electronic letters can be sent and received in the institution
- Read news on the net i.e all the newspapers.
- Read health information i.e latest medical news and research
- **Chatting on the net** – people can sign into a chat room and exchange ideas.
- Music and entertainment on the net. (5mks)
- (c) (i) Virus
(ii) Theft
(iii) Computer errors and accidents e.g deletion of data
- (d) (i) Antivirus software
(ii) Password control
(iii) Data backups
(iv) User access level (3mks)