UGANDA MUSLIM TEACHERS'ASSOCIATION

UMTA JOINT MOCK EXAMINATIONS – 2014

NAME………………………………………………………………

INDEX NO…………………….SIGNATURE……………………..

S850/1
Subsidiary ICT
Paper 1
July/August
2½ hours

UGANDA ADVANCED CERTIFICATE OF EDUCATION

SUBSIDIARY ICT
PAPER I

# INSTRUCTIONS TO CANDIDATES:

*Attempt ALL questions in this paper*

*The maximum time allocated to this paper is 2 hours 30 Minutes*

*Write in dark blue or black pen in the spaces provided on the Question Paper. All answers should be written in the spaces provided.*

*No additional materials (answer sheets) are required.*

*The number of marks is given in brackets ( ) at the end of each question or part question*

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   a) Distinguish between data and information                    (1 Mark)

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(b) Describe the information processing cycle                    (2 Marks)

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(c) List any two major components of a computer system          (2 Marks)

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2.  A computer system is a group of interconnected parts of the working together to complete a given task, as an ICT student enlight senior one students how you can bring together various parts of the computer to accomplish a given task given that they are all disconnected.                                      (5 Marks)

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3.  State the meaning of the following stages of machine cycle.

    (i)     Fetching                                            (2 Marks)

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    (ii)     Decoding          (2 Marks)

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    (iii)    Storage          (1 Marks)

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4.  Mangen downloaded a file and it seemed to be big to fit in the available space on the hard disk and when he requested for assistance from the teacher, he was told to compress that file, which he didn't know, briefly guide him on how to do it.          (5 Marks)

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5.  The teacher forgot to take through form four computer students the printing process for a <u>handout of 5 slides</u>. As the class coordinator you were requested by Mr. Obbo a physics teacher to brief the rest before starting the exam.

   Briefly explain how this can be done.          (5 Marks)

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6.  Briefly explain the use of the following hardware components of the computer.

                                  (5 Marks)

(i)   Male connectors

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(ii)   Expansion slots

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(iii)   Jumpers

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(iv)   System clock

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(v)   Serial port

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7.   As the head of department ICT the procurement officer wanted to inquire from you about the factors that affect display devices before buying monitors for the school. List down any five that you know.                                              (5marks)

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8.   The table below shows two computers A and B

| Computer specifications | Computer A | Computer B |
| --- | --- | --- |

| Brand | Dell | Celeron |
|---|---|---|
| Ram size | 1028MB | 1.95GB |
| Storage capacity | 4.49GB | 4500MB |
| Monitor size | 14 | 17 |
| Computer speed | Anthron 3.305MHz | Duo core 3.31GHz |
| Price | 600,000Ugx | 700,000Ugx |

(a) The school was financially strained and the head teacher called to guide him on which computer sample specifications can be based on to buy computers for ICT department in your school. Of the two which computer would you recommend basing on the above details? (1mark)

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(b) Give two reasons to defend your answer (2marks)

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(c) What is the most important computer specification one should base his final decision of which computer to buy? (2mark)

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9. (a) State three examples of customized software that you think can be relevant in our society and specify where each can be applied. (3 marks)

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(b) Identify any two advantages associated with the use of off self software compared to customized software (2 marks)

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10. (a)Distinguish between command line interface and graphical user interface giving relevant examples. (2 Marks)

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(b) Basing on your knowledge of computers and their components mention three factors you would consider to select an operating system                    (3 Marks)

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11   (a) List three characteristics of good computer software                    (3 Marks)

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(b) Mention any two factors you would consider before obtaining software (2 Marks)

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12.   A company has decided to introduce an intranet and remove Internet access for its staff.
     (a) Describe two reasons why the company will not allow its staff internet access.
                                                                                    (2 Marks)

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(b) Apart from removing internet access, give three advantages to the company of using an intranet.                    (3 Marks)

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13. Describe three advantages and two disadvantages to the general public of using the Internet to do online shopping.

    ADVANTAGES                                                     (3 Marks)

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    DISADVANTAGES                                                ( 2 Marks)

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14. (a) Give two factor you should consider while choosing an ISP        (2 Marks)

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(b) Basing on your knowledge of the internet and the World Wide Web suggest any three advantages a business using the internet would have.        (3 marks)

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15. (a) Define the term transmission media        (2 Marks)

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(b) Giving live example in our day today life explain the following terms

(i) Simplex                                                                        (3 Marks)

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(ii) Half duplex

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(iii) Full duplex

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16. (a) You have been appointed a network administrator of your School,S4 students were given home to find out the use of some network devices. Briefly explain to them the following;                                                                (5 Marks)
(a) Modem

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(b) Router

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(c) Gateway.

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(d) Hub

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(e) Repeater.

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17. (a) What is cloud computing? (2 Marks)

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(b) Of what relevance is this new trend "cloud computing" to you as an ICT student.

(3 Marks)

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18. (a) Out are the positive implication for the use of ICTs in the following areas in our
Society (2 Marks)
(i) Space exploration

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(ii) Transport

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(b) Briefly explain how green computing can be practiced in our society. (3 Marks)

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19. Explain how the following can be used in presentation software (5 Marks)
(i) Slide sorter view

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(iii) Slide master

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(iv) Hand outs

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(v) Slide show

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(vi) Action buttons

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20. (a) What is electronic publishing?                                          (1 Marks)

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(b) Distinguish between electronic publication and traditional publications.(2 Marks)

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(b) List two applications which are used to design electronic publications. (2 Marks)

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