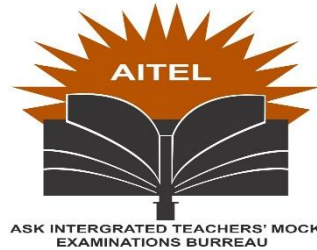


Name: Index No.:

Signature:

S850/1
Subsidiary ICT
Theory
Paper 1
July/Aug. 2020
2 ½ hours



AITEL JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

*Attempt **all** questions in this paper.*

*This paper consists of **20** equally weighted questions each carrying **five** (5) questions.*

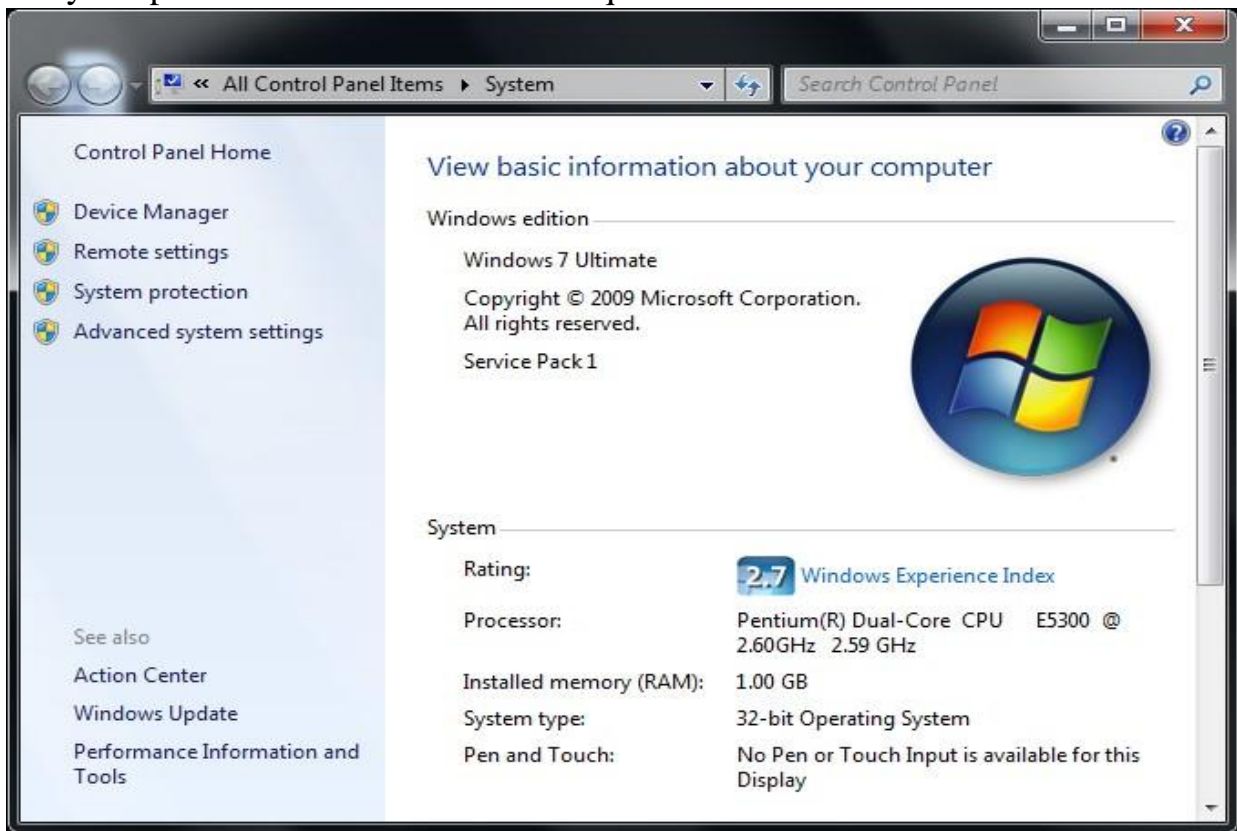
The maximum mark for the paper is 100%.

*Write in dark blue pen in the spaces provided on the question paper. **All** answers should be in the spaces provided.*

No additional materials (answer sheets) are provided.

For Examiner's use only																				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total

1. Study the picture below and answer the questions that follow



(i) State this computer's processor speed. (01 mark)

.....

(ii) State the name of the operating system supplied with this computer. (01 mark)

.....

(iii) What is the name of the processor chip installed on your computer? (01 mark)

.....

(b) State any **two** factors considered when choosing an operating system to install on personal computer. (02 marks)

.....

.....

2. (a) Apart from the monitor, suggest two other **output** hardware devices a student presenting club talk would need to enhance his talk to a big audience of students. (02 marks)

.....

.....

- (b) International companies may use video conferencing instead of face to face meeting. Describe the use of any **three** hardware devices in video conferencing. (03 marks)

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3. (a) The table below shows some examples of ICT's, the profession/occupation line where they apply and how they are used in the stated profession. (05 marks)

	ICT device	Profession/line of occupation	Application of ICT in that profession/occupation line
a)	Metal detectors		Used to detect those in possession of harmful weapons at entrances of all public places.
b)		Medicine/Healthy	
c)	ATM machine	Banking industry	
d)		E-commerce	Allows buying and selling of products among sellers and consumers online.
e)	Data projector		

Turn Over

4. (a) Explain **two** reasons why your teacher prefers students to store class work on a compact disk rather than the internal hard disk of the computer.

(02 marks)

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.....
.....

- (b) Student X has been authorized to copy 2GB video game. How many 1024MB flash disks will he need to accommodate the game? (03 marks)

.....

5. C:\users\admin\project Works\community progs\BusiaX\safewater.pdf.

- (a) How would you refer the underline phrase above? (01 mark)

.....

- (b) List the last subfolder where the file in the underlined phrase is saved. (01 mark)

.....

- (c) is the primary directory where the file is saved. (01 mark)

- (d) Study the phrase above and suggest the file type..... (01 mark)

- (e) Which account name can one log onto to access the file in the underlined phrase above. (01 mark)

.....

6. (a) A secretary has commanded a printer to print. Then she realizes that the printer is not responding. Suggest three reasons that could have caused the problem. (03 marks)

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

(b) Explain the following modes of printing in power point presentation. (01mark each)

(i) Handouts

.....

.....

(ii) Slide

.....

.....

7. (a) Recommend at least one measure the school administration can employ in order to;

(i) Protect the computer from electrical damages (01 mark)

.....

.....

(ii) Prevent loss and /or damage of data files (01 mark)

.....

.....

(iii) Provide a favorable temperature to the computer users and hardware. (01 mark)

.....

.....

(b) Suggest how the computer laboratory attendant can

(i) Improve the speed and general performance of the computer. (01 mark)

.....

.....

(ii) Reduce risk of threats like sniffers, spyware. (01 mark)

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.....

Turn Over

8. (a) Define computer servicing. (01 mark)

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(b) Kasadha suspects his computer to be carrying a virus because it has reduced its functionality speed. He however chooses to continue using it without servicing it because it still functions any way. Give two possible risks that Kasadha is exposed to. (02 marks)

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(c) As an A' level subsidiary ICT student, explain any two safe computer practices to guard against computer viruses. (02 marks)

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.....

9. (a) What is parallel processing? (02 marks)

.....

.....

(b) Complete each sentence below using one item from the list. (03 marks)

A bar code reader a dot matrix printer a graph plotter a graphics tablet
An Inkjet printer Web browser A track ball a web cam a sensor

- (i) is used to input data to a microprocessor controlled weighing scale.
- (ii) is an output device used to produce large hardcopies of car designs
- (iii) are examples of communication application software

10. (a) State **two** rolls of an operating system concerning management of software. (02 marks)

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.....

(b) A part from entertainment, of what other importance is a screen saver? (02 marks)

.....

.....

.....

(c) Mention any **one** utility software that you know apart from a screen saver. (01 mark)

.....

11. (a) Explain what is meant by cloud computing. (02 marks)

.....

.....

(b) Outline any **three** benefits of cloud computing. (03 marks)

.....

Turn Over

12. (a) Tick TRUE or FALSE next to each of these statements. (05 marks)

	TRUE	FALSE
File extension for power point program is .doc		
DTP software is used to create magazine		
A working knowledge of HTML is helpful when creating web pages		
WORM is characterized by its self-propagating behavior		
A graphical User Interface uses icons to represent applications		

13. (a) Differentiate between intranet and extranet? (02 marks)

.....

.....

- (b) Outline any **two** benefits of networking a set of computers for an organization. (02 marks)

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.....

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.....

- (c) List down any **one** example of network operating system. (01 mark)

.....

14. (a) Check by putting a **tick** in the cell where the communication media is best used. (05 marks)

Communication medium	Wireless	Physical network
Bluetooth		
Coaxial		
Microwaves		

satellite		
infrared		

15. (a) Riham company uses custom made applications while Nile breweries company uses off-shelf applications. Write down any **three** advantages Riham has over Nile breweries. (03 marks)

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.....

- (b) Differentiate between freeware from shareware. (02 marks)

.....

.....

16. (a) Apart from an E-mail service, Mention **two** other services that are available on internet. (02 marks)

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.....

.....

- (b) Outline **two** advantages to a business of using email to send messages to other businesses rather than using fax machines. (02 marks)

.....

.....

.....

- (c) Identify any **one** Internet service provider in Uganda. (01 mark)

.....

.....

Turn Over

17. (a) Explain the following as applied to cell referencing. (01mark each)

(i) Relative cell referencing

.....
.....

(ii) Absolute cell referencing

.....
.....

(b) Write the file extension for MS Excel 2007. (01 mark)

.....

18. (a) Explain the meaning of intellectual property rights. (02 marks)

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.....

(b) Outline any **three** ways of protecting intellectual property rights of software developers. (03 marks)

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.....

19. (a) Write the initial procedure of booting a computer system. (03 marks)

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.....
.....

(b) Under what circumstances may one be required to perform a warm boot? (02 mark)

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20. The manager of a bookshop uses database to store data about the books he sells. This is part of the database.

Title of book	Fiction	Number in stock	Next order due
Full circle	N	15	20/11/10
Sanditon	Y	15	18/11/10
Vanity fair	Y	20	16/12/10
The old curiosity shop	Y	10	23/11/10

(a) Suggest an appropriate primary key for this table. (01 mark)

.....

(b) Using the data above, write down **one** item of data for each data type below. (04 marks)

- (i) Boolean
- (ii) Alphanumeric
- (iii) Date
- (iv) Numeric

END

Turn Over