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UACE S850 Subsidiary Information and communication technology (ICT) Paper 1 2013

Answer any three numbers

2 hour

Answer three questions

1 (a) Use a word processor of your choice, to produce the document below as it appears (06marks)

ICT AS A TOOL FOR TEACHING AND LEARNING

The term ICT stands for Information and Communication Technology and is defined as a "Diverse set of Technological tools and resources used to communicate, and to create, disseminate, store and manage information." ICT has become a very important part of educational delivery and management processes. ICT largely facilitates the acquisition and absorption of knowledge, and hence can provide extraordinary opportunities to developing countries for enhancing their educational system particularly for the underprivileged constituency, and thereby for raising the level of quality of life of their people.

(b) Copy the document to another page. (01 mark)

(c) Double space the text in the document. (01mark)

(d) Italicize and bold the word ICT throughout the document. (01mark)

(e) Use "Times Roman" font face and font size "12" for the entire document (01mark)

(f) Insert your name and personal number as the footer and header respectively. Center align them. (03marks)

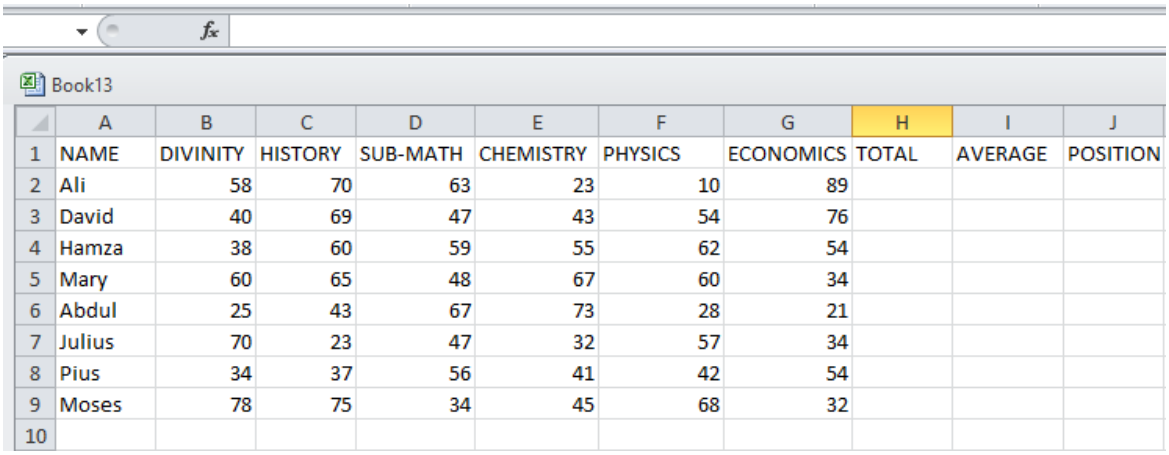
(g) Use mail emerge features to post the document above to the recipients below'

NAME	ADDRESS	COUNTRY
MS AKIIRO GRACE	P. O. BOX 23 KAMPALA	UGANDA
MR. ASSIIMWE ANDREW	P. O. BOX 19 NAIROBI	KENYA

(h) Save your work as your name and personal number (01mark)

(i) Print your all your work. (01mark)

2. (a) A school produced an end of term one mark list for senior five, using a spreadsheet program enter the data in the table below.



Book13

	A	B	C	D	E	F	G	H	I	J
1	NAME	DIVINITY	HISTORY	SUB-MATH	CHEMISTRY	PHYSICS	ECONOMICS	TOTAL	AVERAGE	POSITION
2	Ali	58	70	63	23	10	89			
3	David	40	69	47	43	54	76			
4	Hamza	38	60	59	55	62	54			
5	Mary	60	65	48	67	60	34			
6	Abdul	25	43	67	73	28	21			
7	Julius	70	23	47	32	57	34			
8	Pius	34	37	56	41	42	54			
9	Moses	78	75	34	45	68	32			
10										

(b) Provide a heading to your worksheet as “Kitti Secondary School Results for 2012”and centre it with font size 24.5. (03marks)

(c) Using appropriate functions, determine for each student the

(i) Total mark (01 mark)

(ii) Average mark (01 mark)

(iii) Position (02 marks)

(d) Apply boarder on the data you have entered in the worksheet. (01mark)

(e) Insert your name and personal number as a footer. (01mark)

(f) The sheet for the table should be named as Table. (01mark)

(g) Create a pie chart using the average mark and include:

(i) The heading “Senior five term one mark, Kitti Secondary School” (01mark)

(ii) Labels with the Chart. (01 mark)

(h) Copy the Chart to sheet 2 and name it Chart. (02marks)

(i) Save your work as your name and personal number (01mark)

(j) Print your work. (01mark)

3. Use desktop publishing software to design a certificate of excellence for Kiryamenvu Senior Secondary Senior six (S.6) candidates who have excelled in the following application packages: Ms word, MS Excel, MS PowerPoint, MS Access and MS Publisher. Provide space for signatures of the head teacher and the head of ICT department. (10 marks)

   (a) Adjust the paper size to a width 11 inches and a height of 8.5. (02marks)

   (b) Insert a clip art to represent the owner's photograph. (02 marks)

   (c) Use your name as the owner of the certificates. (02 mark)

   (d) Insert name and personal number in the footer. (01mark)

   (e) Save and print your work. (10mark)

4. In a learner centered approach, a teacher uses some learner to pass on knowledge to their fellow learners. It makes learning fun as learners get to learn from one another. Senior Six (S.6) learners can pass knowledge to the Senior Two (S. 2) learner and vice versa.

   Categories of Computer Devices

   Computer devices are subdivided into categories as follows:

   - Input devices
   - Output devices
   - Processing devices
   - Storage devices

   Input devices: - These are any hardware component used to enter data and instructions into any computer system. E.g. Keyboard

   Output devices: - These are any hardware component used to display or convey information or data to the user e.g. monitor.

   Processing devices: - These are used to manipulate data into information. Processing is usually done in the Central Processing Unit (CPU).

   Storage devices: - These are used to record and retrieve data to and from a storage medium in the computer system. They can be either internal like the HDD, or external like a CD. Storage devices have got their specialized drives through which data can be written or read. For example, data ona CD can be read with the help of a CD or DVD drive.

   Conclusion:

   Whereas the above devices are **standard input-output devices**, some devices are referred to as computer peripherals. **Computer peripherals** are any electronic devices that can be hooked to a

computer. Examples of peripherals include speakers, microphones, printer, scanner and digital camera.

Tasks:

(a) As a senior six Subsidiary ICT student prepare a four-slide presentation for S.2 learners summarizing the information given above. (08marks)
(b) Save the presentation as 'your name and personal number'. (01 mark)
(c) Insert a header as 'your name and personal number' (01mark)
(d) Change the background of all the slides to an appropriate style. (01 mark)
(e) Set a slide transition of your choice, with transitions time of 6 seconds. (02 marks)
(f) Set animations of your choice for all slide titles and other parts of the slides. (01 mark)
(g) Make use of speaker's notes and relevant graphics. (02marks)
(h) Insert a summary tabular slide between the last slide and second last slide with the following data.

Summary table:

NO.	DEVICE	HARDWARE CATEGORY
1	Keyboard	Standard input device
2	Monitor	Output device
3	CPU	Processing device
4	Hard disk	Storage
5	Speakers, microphones, printer, scanner and digital camera.	Peripherals

(i) Save and print your work. (01 mark)

5. The table shows the medical record of a certain clinic.

PID	F name	District	DoB	Diagnosis	Treat fee
P02	Omondi	Busia	03/02/66	Malaria	10000
P04	Katiba	Kampala	03/09/77	Typhoid	100000
P05	Waiswa	Busia	03/05/1	Tuberculosis	20000
P06	Nambi	Busia	02/08/89	Dysentery	120000
P09	Lumu	Kampala	04/05/90	Malaria	30000
P11	Nafua	Busia	05/11/89	Tuberculosis	20000
P15	Waiswa	Jinja	10/11/78	Malaria	60000

(a) Create a database called **Medical details**. (01mark)
(b) Design a table with appropriate data types in design view called Patients. (01 mark)
(c) Enter the given data in the table. (02 marks)
(d) Create a query to display the details of patients who come from either Jinja or Busia. Save it as **Eastern patients**. (02marks)
(e) Create a query to display all the details of the patients who were not diagnosed with malaria. Save as **No malaria**. (02marks)

(f) If the government pays 40% of the treatment fee for all patients, create a query to calculate discounted fee. Put only F **name**, **DoB**, **Diagnosis** and **Treat fee** on the display. Save it as **discounted fee**. (03marks)

(g) Create a report to display the information on the discounted fee query. (03marks)

(h) Create a form from discounted fee query showing all details and save it as **Patients' form**. (02marks)

(i) Print all your work. (01 mark)

Please obtain free downloadable notes of general paper, biology, economics, geography etc. from digitalteachers.co.ug website

Thanks

Dr. Bbosa Science