840/2

COMPUTER STUDIES

PAPER 2

JULY/AUGUST 2023

2 ½ HOURS

ASSHU ANKOLE JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

COMPUTER STUDIES

840/2

2 HOURS 30 MINUTES

INSTRUCTIONS TO CANDIDATES

a) This paper is made up of two sections A, and B respectively.

b) Section A contains one question. This question is compulsory.

c) Section B contains three questions. Answer any two questions from this section.

d) Each candidate is provided with a new blank compact disk (CD-R).

e) Each candidate must produce a hardcopy for each of his/her work to accompany the compact discs.

QUESTION ONE A : **WORD PROCESSING**

Use a word processing program to type the text below as it is, save it as your name **and** use it to answer the questions that do follow   (04 marks)

A wearable computer is a portable computer that is worn on the body and is mostly used for health purposes".

They can also be used as hands-free e.g. they can get signals from muscles, voice, brain, head position, lips, eye position and these gestures are to control other devices and computers.

Benefits of wearable computer

Some benefits of wearable computers are explained below:-

Work everywhere: You can work anywhere and do the tasks that you can do with your laptop e.g. you can check emails, check weather information, visit websites etc.

Improved communication: You can communicate with other people like video calling, taking/sharing pictures, sharing your location.

Face recognition: If you are in a crowd and want to detect any face then your wearable computer (smart glass) can do this for you. You can also get the Google data of any person by using Google glass.

Easy to carry: Wearable computer is of small size and is lightweight. You can easily wear and carry on with you without damaging your body.

Increase performance: You can increase your productivity in the office and gym by using wearable computers. You can input different types of data like a screenshot of your workspace. You can track your walking, bicycling, jumping, running and sleeping also.

Good Accuracy: You cannot measure any instance of body movement accurately but with a wearable computer you can do such tracking of body movement easily and with accuracy.

a) Insert the words *wearable computer* as the heading of the document, double underlined it and format to appear in the uppercase   (03 marks)
b) Insert a drop cap at the beginning of **Paragraph 1** and apply a green font color to it   (02 marks)

c) Apply a colored line page border   (02 marks)

d) Bullet all the benefits of wearable computer   (01 mark)

e) Justify the entire document   (01 mark)

f) Apply a 1.5 line spacing to the entire document   (01 mark)   Page |

g) Adjust the paper size to **letter**   (01 marks)

h) Insert a footer of your name-personal number.   (01 marks)

i) Insert a water mark of your choice   (01 marks)

j) Copy the final copy to page two   (01 mark)

k) Print both pages   (02 marks)

QUESTION ONE B: SPREADSHEET SOFTWARE

Item	January	February	March	April	May	June
House rent	45000	45000	45000	45000	45000	45000
Eats	25100	52000	25000	80000	12000	36000
Wearable	85000	45000	36000	42000	45000	85000
Utilities	63000	74000	23000	42000	36000	75000
Vehicle servicing	21000	91000	45000	80000	750000	96000

a. Enter the above data into a spreadsheet   (02 marks)
b. Save it as your name and personal number   (01mark)
c. Insert an appropriate title merge and center the cells   (02 marks)
d. Add columns for total and average in cells H2 and I2 respectively and compute them.   (04 marks)
e. Use cell C8 to compute the total expenditure for the month of February   (02 marks)
f. Enter a formula in cell D10 to compute the highest expenditure in March   (02 marks)
g. Present the monthly expenditure for utilities on a 3-D pie chart   (03 marks)
h. Rename the worksheet as My Budget   (01 mark)
i. Boarder your work   (01mark)
j. Use landscape page orientation   (01 mark)
k. Print your work   (01 mark)

SECTION B 60 MARKS
Attempt two questions from this section

2. The Prep Master of BONABASHOME SS has provided you with the following data concerning prep attendance for three days. He has asked you as a Computer Studies student to prepare a **looped** and **automatically** running presentation. You are also to save it as **'PREP'- your name.**   *(04 marks)*

    Slide one: Prep attendance as the topic.   *(03 marks)*
                 Your name as a presenter
    Slide two: table of facts   *(03 marks)*

Class	Out of	Attendance
Senior One	230	200
Senior Two	200	69
Senior Three	234	189
Senior Four	400	60
Senior Five	800	700
Senior Six	230	200

Slide three: Graphical Representation

On this slide, insert a graph representing the data on slide two above using a **column graph.**   *(04 marks)*

Slide four a two column slide layout with three science based and Arts based subjects.

(04 marks)

Instructions:

a) Use a different background color on each slide   *(02 marks)*

b) Add one importance of PREP to a student on slide two as **speaker notes**   *(02marks)*

c) Insert an automatic updating date in the slide footer   *(02 marks)*

d) Number your slides   *(02marks)*

e) Insert a page header of your name   *(02 marks)*

f) Print all the slides one page   *(02 marks)*

QUESTION THREE: DATABASE MANAGEMENT SYSTEM

STATION NUMBER	STATION NAME	PROGRAM SERIAL NUMBER	DECODER TYPE	KEY CHARACTER	NUMBER OF VIEWERS

(a) Use the table above to create a **Database** and name it as **TV STATION VIEWERS** (04 mark)

(b) Use the table below to change the table properties, name the table as **Viewers' table** (05 marks)

Field Name	Data type	Properties
Station Number	Number	Field size=10
Program Name	Text	field size = 30
Program Serial Number	Text	Primary key, Field size=5
Station Name	Text	Field size = 15, Lookup wizard
Decoder Type	Text	Field size = 10
Key character	Text	Field size = 10,
Number of Viewers	Number	Field size=10

Use a form to populate the Table above with the data below, save the form as Data Entry Form. Also include a header of your name in this form (05marks)

Station Number	Program Name	Program Serial Number	Station Name	Decoder type	Key character	Number of Viewers
300	Badhe Ache	1252	Bukedde	Star Times	Privah	8,000,000
304	Second Chance	1478	NTV	DSTV	Salvado	20,000,000
304	Deception	3692	NTV	Zuku TV	Monica	3,000,000
305	Cuando seas Mia	0965	UBC	Zuku TV	Paloma	13,000,000

304	Don't Mess Kansiime	0693	NTV	DSTV	Kansiime Ann	14,000,000
305	The Gardener's daughter	2581	UBC	Star Times	Pedro	9,000,000
300	Nawolovu	3456	Bukedde	DSTV	Nakibinge	19,000,000

(c) Use a query to filter out all stations viewed on Star Times, save it as **Star times Query** (03 marks)

(d) Create a query to display programs whose viewers were more than 1,000,000. Save it as **Viewers query** (03 marks)

(e) Given that each TV station got an increment of 2% of the number of viewers this year, use a query to compute the number of viewers they have. Save it as **2%query** (03 marks)

(f) Use the table to generate a tabular report, save it as **My Report** (03 marks)

(g) Add a footer of your name and personal number to the report (03 marks)

(h) Print all your work (02 mark)

QUESTION FOUR: WEB AUTHORING SOFTWARE

You have been appointed to design a website for your village community. Save the project as **village –your name** and should have the following pages. (03marks)

Page 1: To include a brief message from the LC1 chairperson. (04 marks)

Page 2: To include a list of exciting places/ sites in your community. (04 marks)

Page 3: To include contacts for at - least four prominent persons from your village. (04 marks)

Instructions:

a). It should have a shared banner with a content title, name of your village. (04 marks)

b). Add a marquee reading: **East, West, home is the best**; it should have an alternating behaviour. (03 marks)

c). Insert a well arranged navigation section on appropriate pages. (03 marks)

d). Insert an e-mail link at the bottom of page one to the webmaster whose address is admin@jjeb.ac.ug. (02 marks)

e). Include appropriate clip arts and light backgrounds (02 marks)

f). Print all the pages. (01 marks)

END