1. (a) Identify two types of crime that are associated with the widespread use of IT.

(b) Describe two pieces of advice that a bank can give to customers to help them avoid such dangers.

(c) Give ways how it may be possible for a bank to become aware of fraudulent transactions taking place in its customers' accounts

2(a) To what extent are employees' concerns about telecommuting outweighed by the advantages to both the employer and the employee?

(b) Describe how the barcode on a product is used at the checkout to produce the product description and price on the bill.

(c) State ways how UCHUMI SUPERMARKRT targets its advertising to customers, using information gained from the customer loyalty programme.

3. (a) Identify two ways in which photo editing software can be used to create a photo of a situation that never existed

(b) Describe how such photographs might be verified for their authenticity.

(c) Discuss how the enhancement of digitally produced photographs may be misused.

4. (a) Identify two technological requirements for people to use Internet telephony

(b) Describe one advantage for individuals who use Internet telephony compared with using a conventional telephone service.

(c) Describe one disadvantage for individuals who use Internet telephony compared with using a conventional telephone service.

(d) Discuss how developments in Internet telephony might affect the nature of the services offered by conventional and mobile phone (cell phone) providers

5. (a) Define the term WAN.

(b) Identify two services that an ISP can provide to users.

(c) To what extent are the negative effects of government control of the Internet, outweighed by the benefits to families of using the free filtering software?

6. (a) Define the term operating system.

(b) Describe two utilities provided by an operating system that would be helpful in enabling the author to use his computer effectively despite his injury.

7. (a) Describe how a password-protected web site operates.

(b) Describe IT features that a computer user would require to access or use this site.

(c) Explain how the new web site could improve student learning.

(d) This system may be a great advantage for students, but it may place teachers with limited IT skills under great pressure

Discuss the concerns of some teachers when they are asked to make this new resource available for the students

8. (a) Identify processes involved in data logging.

(b) Describe two other ways that automatic data logging may be used.

(c) Explain two advantages of using automatic data logging to keep records compared with manual data logging.

(d) Information obtained at automatic tolls may also be used to map traffic information and help telecommuters travel on the highways. Some cards May also contain customer's information or an identification number to relate the customer to a record in a driver database for later use.

To what extent do the concerns about invasion of drivers' privacy outweigh the advantages of using this system to improve the traffic of cars in a city?

9(a) Distinguish between data and information giving an example of each

(b) Briefly explain the four stages of the information processing cycle

10(a) Distinguish between a file and a folder

(b) Describe three features of a file name

(c) Describe the following Path: C:\Windows\systems\subICT.doc

11(a) A computer file comprises a file name and a file extension separated by a dot. Explain the function of the file extension

(b) Give four examples of file extensions and the file types they represent

12(a) Distinguish between a surge protector and the UPS

(b) Mention four ways of preventing dust accumulation in a computer laboratory, on computer systems and equipment's

13(a) Explain the importance of each of these as used in the computer laboratory

    i.   Gaseous fire extinguisher
    ii.   CCTV:

    (b) State and explain three behaviors that must be avoided while in the computer laboratory

14(a) State the function of each of the following parts in the computer

(I) PCI slot

(II) Mother board

(iii) VGA port

(b) Explain the specifications below

(i) 3GHZ Processor:

(ii) 3.00GB RAM

(iii) 320GB HDD

(iv) 17" LCD Monitor

15(a) List factors that a buyer should consider before purchasing any computer hardware

16(a) What do you understand by the term "removable storage"?

(b) A student wishes to store data on an optical storage medium. List two optical media and give one advantage and one disadvantage of using optical media when compared with fixed hard discs.

17(a) What is meant by the term Computer software?

(b) System software may be categorized into Operating systems, Utility programs and programming languages. Briefly explain, giving an example to each category

18(a) What is meant by application software?

(b) Name any two application software used in the following fields

(i) Spreadsheets:
(ii) Data bases:
(iii) Word processers:
(vi) Presentations:
(v) Publications
19(a) Define the term Data communication

(b) Outline the elements of data communication

(c) With examples Distinguish between Physical and Wireless transmission medium

19(a) What is a computer network?

(b) Give the functions of the following in networking

i. Hub

ii. Network Interface card (NIC)

iii. Router:

20(a) Define the following terms

i. MAN:

ii. ii. WAN:

(b) Distinguish between Peer to peer and client server networks

21(a) State three causes of computer data loss

(b) State three precautions taken to protect data loss in a computer

22a) What is a device driver?

b) Give two devices that may require the installation of a device driver

c) Name two kinds of information normallyrequested to log on to a multiuser operating system

d) Name four functions that are normally carried out by an operating system

23a) (i) What is a primary key?
ii) Give examples of database management programs
(ii) Mention four merits of using electronic databases

22. a) (i) What is a browser?
(ii) Give examples of browsers
b)Mention advantages of using email as a means of communication
c) Outline limitations of using email as means
   of communication   .

  23. a)(i) Differentiate between a cold boot and a warm boot
   (ii) Name kinds of information stored in the CMOS of a personal computer
   iii) Differentiate between storage devices and storage mediums
    b) Give examples of secondary storage devices
   c) Give examples of secondary storage media
        24. a) Name any output devices you know
   b) Suggest one suitable input device for each of the following tasks
      i.   To enter instructions in a CLI
      ii.   To move the pointer in a GUI
      iii.   To input text/graphics from hard copies into electronic format
      iv.   To read the barcodes of products in a supermarket
      v.   To record human voice into the computer
      vi.   To control a video game
        25. a) What is a computer network?
   b) Mention three network types you know
   c) List any two network media
      d) Write the following in full:
            1 IRC-
            2 FTP -
            3 NIC-

26. a) Explain any five features of a spreadsheet application.
   b) Briefly explain five advantages of using Microsoft Excel.
   27. Explain any ten end-user application programs available in the market today.
   28. a) Explain four services of the Internet that you know.

   b) Give your arguments in favor and against the impact of computers in Ugand.
29.2 a. Define a password
b. Briefly describe any three rules that can be used to create the best password
 c. Define the following
   i.   Intellectual property
   ii.   Intellectual property right
d. Describe any two elements of the intellectual property right
30.Define the following
b)Database management system? (DBMS)

c)Define The Following Terminologies As Used In Dbms
   i.   Record:
   ii.   *p*rimary key:
   iii.   Table structure:
   iv.   Field length
   v.   A flat file:
   vi.   A relational database:
d. list 10 examples of dbms
e. Define Objects Of Database
f.Give Merits and demerits Of Dbms
31.Define Presentation Software?
Give two examples of presentation application software
Define the following terms as applied to presentation application
   i.   Slide
   ii.   Place holder
   iii.   Action button
   iv.   Slide layout
      c)   State any two conditions for a good presentation software.
      d)   Define the term multimedia as related in presentation
      e)   Give the difference between slide and handout printing
f.)show any 3 areas where electronic presentations are applied.

END