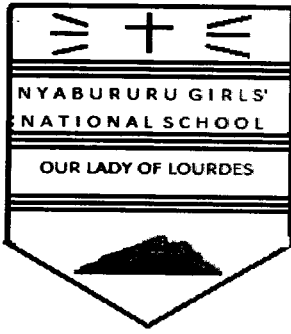


NAME.....ADM NO.....C/NO .....CLS.....



DATE DONE
INVIGILATOR
DATE RETURNED
DATE REVISED

**COMPUTER STUDIES  
FORM 1 C.A.T 1  
TERM 3 2016  
TIME: 2 HOURS**

**INSTRUCTIONS TO CANDIDATES**

- Write your NAME and ADM NUMBER in the spaces provided above
- write the date of examination in the spaces provided
- Answer **ALL** questions in the spaces provided

1. List three advantages of a plotter over normal printer machines 3mrks

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2. Give two advantages of using sound output devices 2mrks

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.....

3. George connected new multimedia speakers to his computer and tried to play his favorite music CD, but no sound came out. Suggest four problems that might have occurred 4mks

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4. List down 4 factors to consider when buying an output device 4mrks

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.....

5. Define the following terms 3mrks

a. Port

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b. Data interface cable

.....

.....

c. Power cable

.....

.....

6. State the function of the power supply unit found in the system unit 2mrks

.....

.....

.....

7. a. Name any two peripheral devices which get their power supply through ports 2mrks

.....

.....

b. State the type of port that would commonly be used to connect the following devices 3mrks

- (i) Mouse .....
- (ii) Modem .....
- (iii) External CD drive .....

8. a. Explain two differences between serial and parallel communication ports of a computer 2mrks

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.....

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b. Give two major advantages of a USB interface cable over other cables in the computer 2mrks

.....

.....

9. Outline three precautions one should take when assembling a computer

3mrks

.....

.....

.....

10. State four factors which you would consider when selecting computer hardware for an organization 4mks

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11. a. List four types of keys found on a computer keyboard, giving an example of each

4mrks

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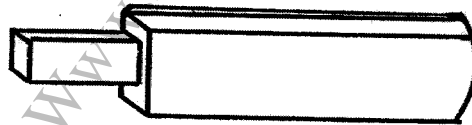
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b. Name the keyboard keys that will help you:

2mks

- (i) Type the upper character in a key
- (ii) Execute a selected command

12. The diagram below shows as example of a secondary



a. Identify the name of the devices

1mrk

.....

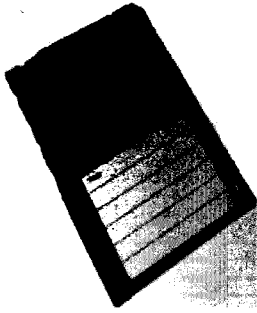
13. List down two advantages of this device above (a)

2mrks

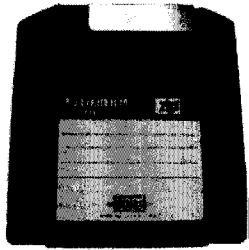
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14. The following are common storage media used with computer systems



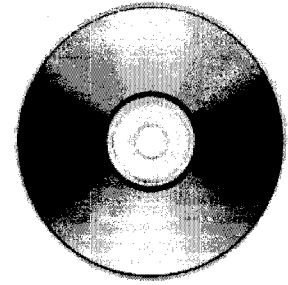
i.



ii.



iii.



iv.

a. Identify the four types of storage media

4mrks

- i. ....
- ii. ....
- iii. ....
- iv. ....

15. Draw and label the internal structure of a floppy disk

3mrks

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16. Compare storage device (i) and (iii) above

2mrks

- .....
- .....
- .....
- .....

17. Give two differences between a Digital Versatile Disk and a Video Compact Disk

2mrks

Digital Versatile Disk	Compact Disk

18. Differentiate between a CD-R and a CD-RW

2mrks

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19. Differentiate between direct access storage and sequential access storage

2mrks

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20. List two factors to consider before choosing a storage device for backup







2mrks

.....

.....

21. The table below shows a summary of standard symbols used to denote an interface, name the give the names of the ports given by the symbols

5mrks

Symbol	Port
	
	
	
	
	
	

22. State any two advantages of a USB interface cable

2mrks

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.....  
.....

23. Differences between serial and parallel communication ports

2mrks

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.....  
.....

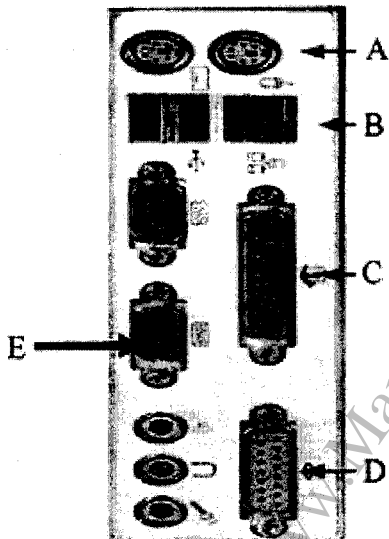
24. List any two functions of the power supply unit

2mrks

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

25. Identify the following types of ports.

(5 marks)



A.....

B.....

C.....

D.....

F.....

26. Define the term computer software

1mrk

27. Distinguish between system software and application software.

2mrks

28. List any two sub-categories of a system software

2mrks

29. Which software would you use for the following?

3mrks

(a) Production of a reports for a company:

(b) Management of records in a firm

(c) Manipulation of numeric data collected from a research station

30. List any two factors to consider when selecting software

2mrks

31. Give five differences between a CRT and a flat panel screen

5mrks

CRT (cathode ray tube)	Flat panel screen

32. Calculate the capacity in MB of a two sided floppy disk with 6 sectors per surface, and 512 bytes per sector. 3mrks

33. A double – sided disk contains 40 tracks on each side. The tracks are divided into 9 sectors of 512 bytes each. What is the total capacity of the disk in megabytes? 4mrks

34. How many 1.44mb diskettes would be used to store data that require storage space of 4.7GB? 4mrks

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