

# ASCII COMPUTING SERIES

2<sup>nd</sup> Edition

**FOR BASICS 7,8 & 9**

A textbook for Computer Applications Technology



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# ASCII COMPUTING SERIES

MOTTO: DECODING THE DIGITAL WORLD

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“Authored by Edward, an IT enthusiast with a passion for demystifying computing through accessible and engaging content”

## HOW PREPARED ARE YOU? LIKELY PRACTICAL QUESTION INTERACTIVE COMPUTING PRACTICAL TEST FOR JUNIOR HIGH SCHOOL

NAME: \_\_\_\_\_ LEVEL: \_\_\_\_\_

1. Study the icons in figure 1 carefully and answer questions a to b.



*Figure 1*

I

II

a. Write the file type for the icons displayed in figure 1.

10 marks

I .....

II .....

III .....

IV .....

V .....

b. i. State the file extension for the files labelled **I**, **II**, **III** and **IV**. 4 marks

I .....

II .....

III .....

IV .....

2. Use the image shown in Figure 2 to answer question c.



**Figure 2**

i. State any **two** commands that can be found in **figure 2**. 2 marks

.....  
.....

ii. Under which ribbon tab can we find this group of related commands? 2 marks

.....  
.....

3. The devices below are used  
every stage of the

at



information processing cycle.

Study them to answer questions **a** to **b**.

**A**

**B**

**C**



**D**

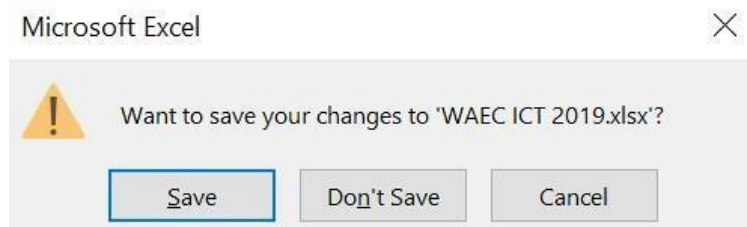
**E**

a. i. Identify the devices labelled **A**, **B**, **C**, **D** and **E**.

10 marks

**A** ..... **B** .....  
**C** ..... **D** .....  
**E** .....

4. Study the image in Figure 2 carefully and answer the questions below:



**Fig. 3**

a. i. Identify the name of the dialog box in Figure 2.

[2 marks]

..... ii.

What is the file name for the image shown above?

[2 marks]

.....  
 .....

iii. State the type of application program displayed in Figure 2.

[2 marks]

b. i. Which control button activated the dialog box in Figure 2?

[1 mark]

ii. What will be the result when you click on “*Don’t Save*”?

[2 marks]

iii. List **four** features of the application program in Figure 2.

[4 marks]

5. Study the icons of the application programs in **Figure 4** carefully and answer questions **a** to **b**.



**A**



**B**



**C**



**D**

a. i. The icons in **figure 4** represents;

2 marks

ii. Identify the names of each icon.

8 marks

A .....

B.....

C.....

D.....



iii. List **three** common features found in the application programs in *figure 4*.

6 marks

.....

.....

.....

b. State **two** uses of the application programs in *figure 4*.

4 marks

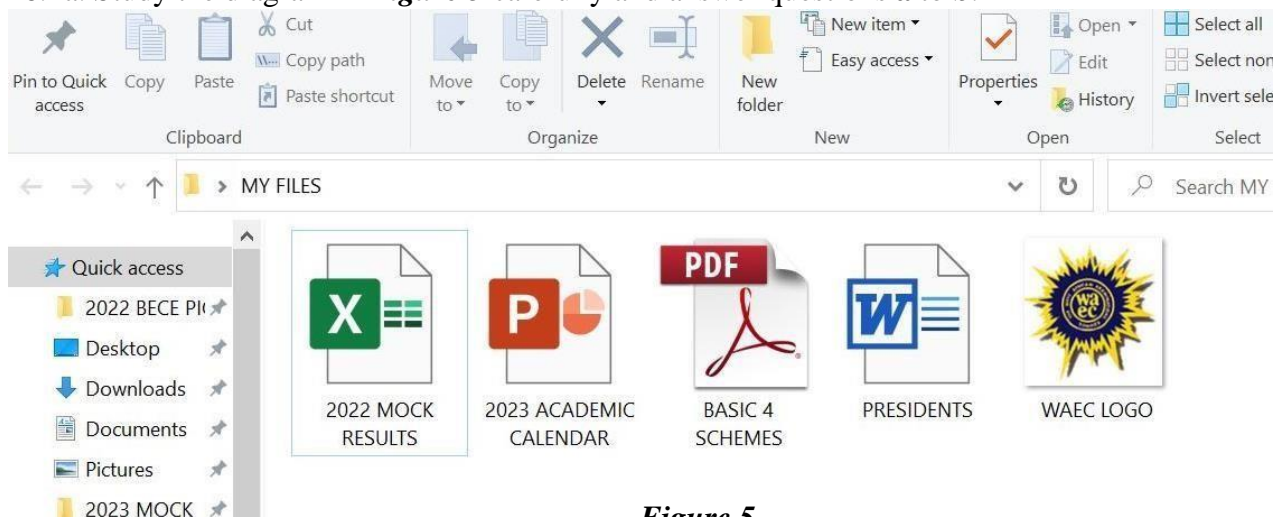
.....

.....

.....

.....

6. a. Study the diagram in *Figure 5* carefully and answer questions **a** to **b**.



*Figure 5*

i. What is the name of the folder opened?

2 marks

..... ii.

How many files are in the folder?

2 marks

..... iii.

Which of the files is a word document?

2 marks

..... b.

Copy and complete the table below.

10 marks

File Name	File Extension
2022 MOCK RESULTS	
2023 ACADEMIC CALENDER	
BASIC 4 SCHEMES	
PRESIDENTS	
WAEC LOGO	

c. Use the image below in Figure 6 to answer question (i) to (iii).

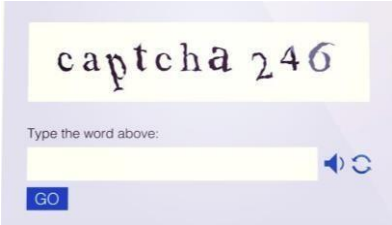


Figure 6

i. Write the acronym CAPTCHA in full.

2 marks

.....

ii. List the CAPTCHA code as shown in Figure 6.

1 mark

.....

iii. A valid email address is made up of three parts. Name them.

3 marks

.....

.....

.....

7. Study the figures below carefully and answer the questions that follow:

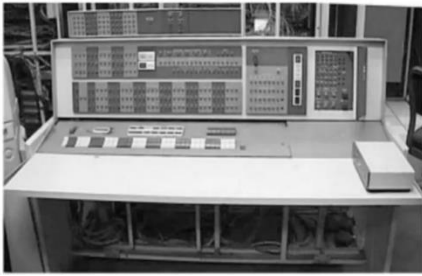


Figure 1



Figure 2



Figure 3

a. Classify the following figures into their generations?

[3 marks]

.....

.....

.....

b. Tabulate the electronic components inside each of the above figures and their year of origin.

[6 marks]

	FIGURE 1	FIGURE 2	FIGURE 3
ELECTRONIC COMPONENT			
YEAR OF ORIGIN			

State two facts about the first generation of computers.

[4 marks]

.....

.....

.....

8. Study the devices in figure 1 carefully and use them to answer questions 1 (a) to (c).





**A**



**B**



**C**



**D**

**Figure: 7**

a. i. What is the name given to the devices in **Figure 7**?

2 marks

.....

ii. Identify the devices shown in **Figure 7**.

8 marks

**A** ..... **B**

..... **C**

.....

**D** .....

b. Mention **one** use each of the above devices.

8 marks

**A** .....

.....

**B** .....

..... **C**

.....

..... **D**

.....

.....

c. State where these devices can be used.

6 marks

**A** ..... **B**

..... **C**

.....

9. Identify the types of printers in figure 8.

4 marks



A



B



C



D

Fig 2.

A: .....

B: .....

C: .....

D: .....

10. The diagram illustrates the syntax of codes written in a particular programming language. Use it to answer the questions that follow.

```

1  <?php
2  $x = 3;
3  $y = 2;
4  $multiply = $y*$x ;
5  $power = $y**$x;
6  echo"Product<br>";
7  echo"$multiply<br>";
8  echo"Exponent<br>";
9  echo"$power<br>";
10 ?>

```

a. In which programming language has the code been written?

.....

b. How is the multiplication operation denoted in the code snippet above?

.....

c. What will be the output displayed in a browser for code snippet?

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

d. Identify **two (2)** variables that were declared and reused in the code snippet above.

.....

.....

.....

e. Write down the coding representation **each** for

( $\alpha$ ) square

.....

.....

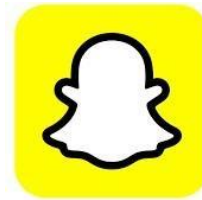
.....

( $\beta$ ) division.

.....

.....

.....



11. What is the general name given to the information sharing platforms above?

.....

Classify each platform based on use in

i. Photo sharing

.....

.....

.....

.....

. ii. Video sharing:

.....

.....

iii. Both video and photo sharing

iv. Which platform was originally meant for gaming but had other video content added later?

12. Identify these common cloud storage platforms. [8 marks]



I II III IV Fig. 9

I .....

II .....

III .....

IV.....

13. Use the code below to answer the questions below.

```
int num1 = 7; int
num2 = num1 * 2; int num3
= num2 * 3; State:
```

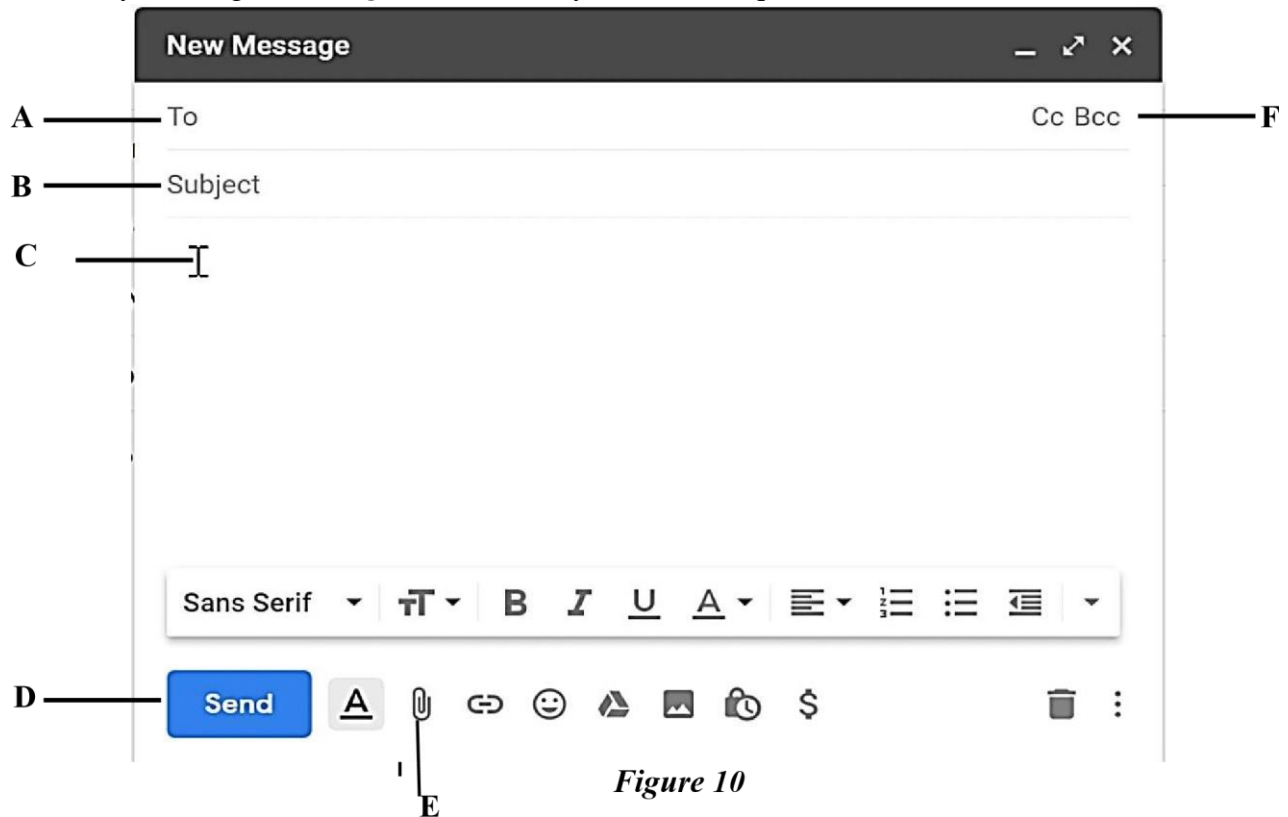
i. the data type used in the code above. [2 marks]

ii.

two variables used in the code. [2 marks]

iii. the value assigned to the first variable. [2 marks]

14. Study the diagram in **Figure 11** carefully and answer questions **a** to **b**.



i. Name the following parts labelled **E** and **F**.

2 marks

**E:** .....

**F:** .....

ii. State the function of the parts labelled **A**, **B**, **C**, and **D**.

4 marks

**A:** .....

..... **B:**

.....

.....

**C:** .....

..... **E:**

.....  
.....  
iii. Differentiate between Cc and Bcc.

4 marks

.....  
.....  
.....  
iv. Outline the steps used for composing an email message.

5 marks

.....  
.....  
.....  
.....  
.....  
.....  
.....  
v. List **three** major email message folders.

3 marks

.....  
.....  
15. The diagram below shows different direct data entry devices. *Use them to answer the questions that follow.*



I



II



III

Figure 12

(a) (i) Identify the name of the devices labelled **I**, **II**, and **III** in figure 12.

[3 marks]



I ..... II

.....

III ..... II

(ii) State **one** use of **each** of the devices in *figure 1*. [6 marks]

I ..... II

.....

III ..... II

(c) Use the image below to answer the following questions.



Figure 12

(i) Identify the image shown in *figure 12*. [1 mark]

.....

.....

(ii) State **two** features of the image in *Figure 12*. [2 marks]

.....

.....

.....

16. Study the devices in *figure 13* carefully and use them to answer questions 1 (a) to (c).



a. i. What is the name given to the devices in **Figure 13**? 1 mark

.....

ii. Identify the devices shown in **Figure 13**.

4marks

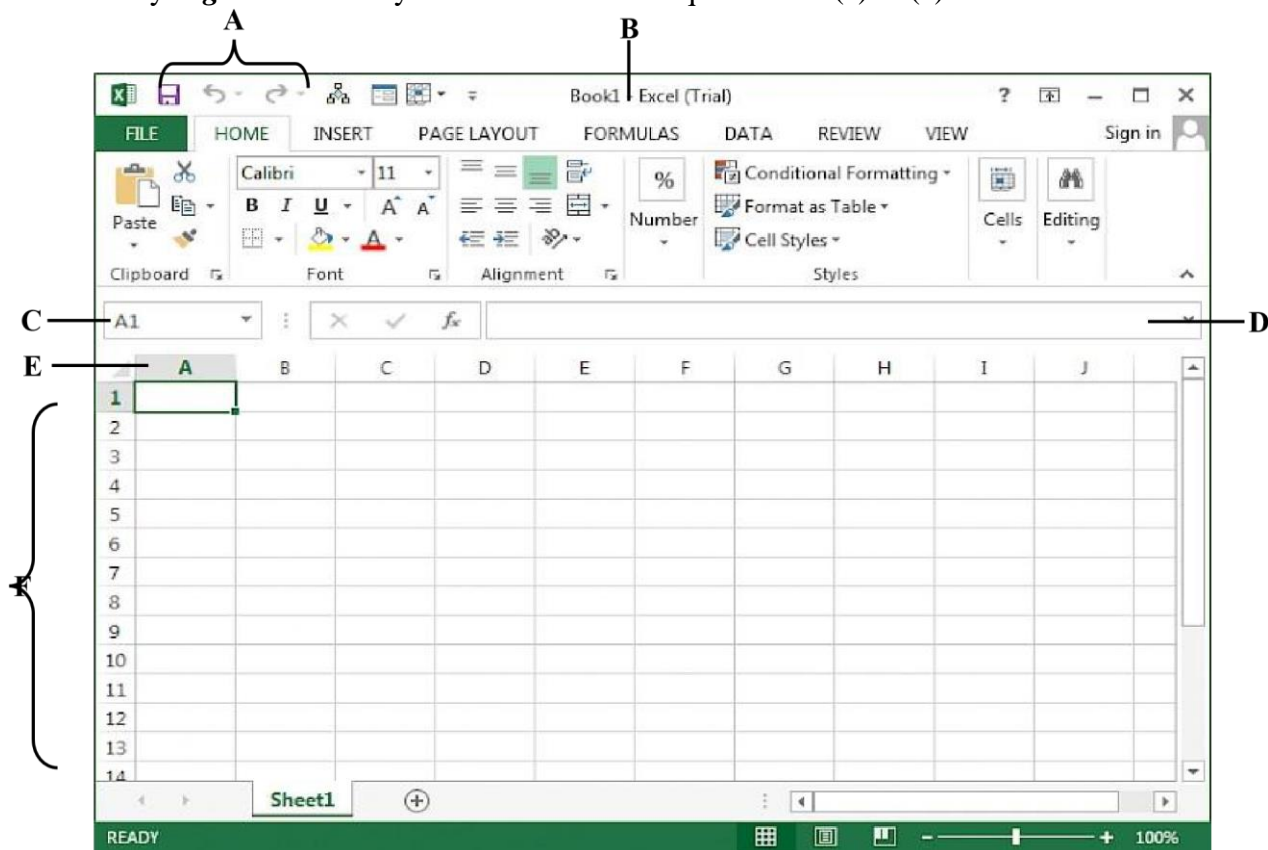
A ..... B  
..... C  
..... D  
.....

b. Mention **one** use each of the above devices.

8 marks

A .....  
.....  
B .....

17. Study **Figure 1** carefully and use it to answer questions 1 (a) to (c).



**Figure 1**

a. What is the name of the diagram in figure 1?

2 marks

b. Write the name of the parts labelled A, B, C, D, E and F.

6 marks

A: ..... B: .....

C: .....

D: .....

E: .....

F: .....

c. State **one** function each of **A**, **B** and **C**.

6 marks

A: .....

.....

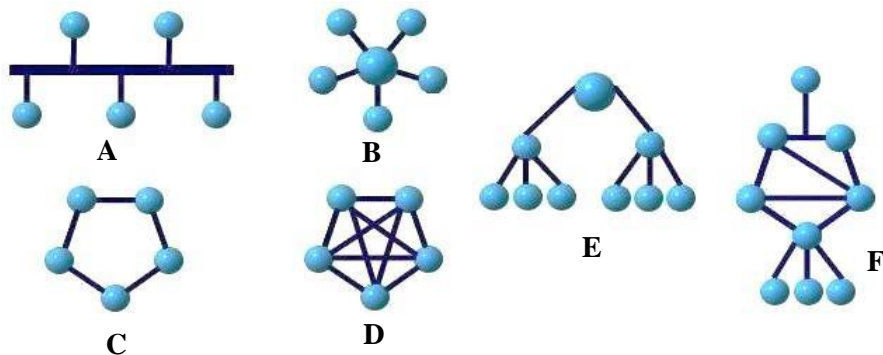
B: .....

.....

C: .....

.....

18. Use the image below in **Figure 14** to answer questions (b) to (c).



b. Identify the parts labelled **A**, **B**, **C**, **D**, **E** and **F**.

6 marks

A: .....

B: .....

C: .....

D: .....

E: .....

F: .....

19. Study **Figure 1** carefully and use it to answer questions 1 (a) to (c).

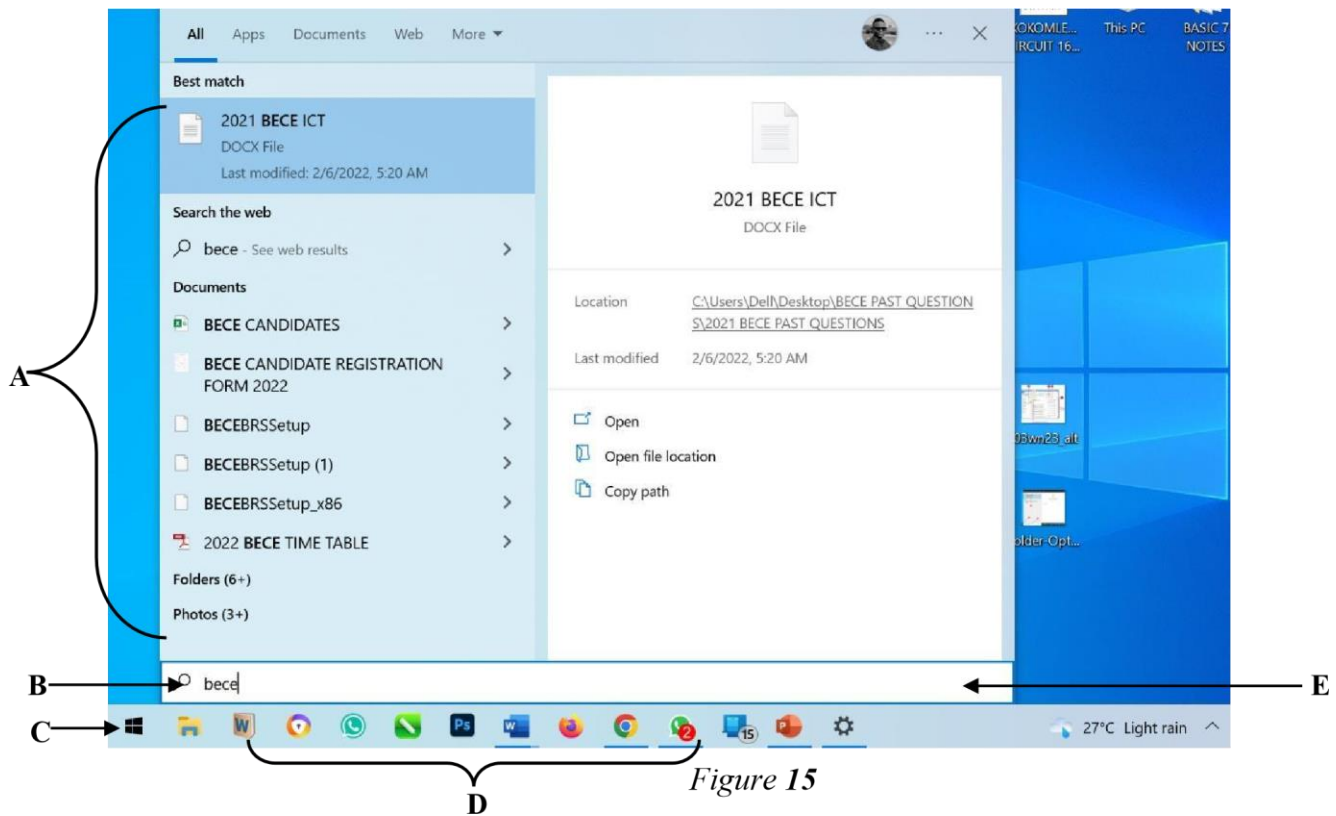


Figure 15

a. Describe the process carried out in *Figure 1* above.

2 marks

.....

.....

b. Write the name of the parts labelled **A**, **B**, **C**, **D**, and **E**.

5 marks

**A:** .....

**B:** .....

**C:** .....

**D:** .....

**E:** .....

c. i. State the functions of **B**, **C** and **E**.

6 marks

**B:** .....

.....

**C:** .....

.....

**E:** .....

.....

20. a. The tools in Figure 3 are tools used in Microsoft Word. Study them carefully to answer question 2(a).

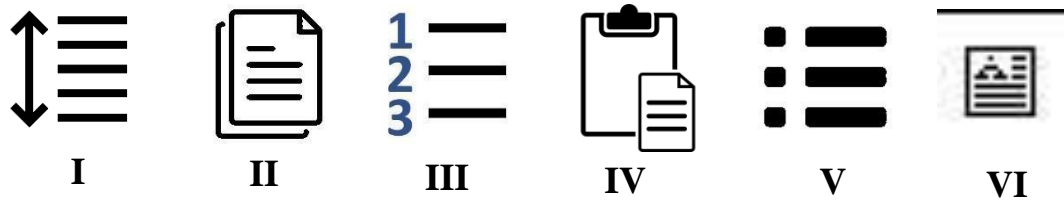


Figure 16

i. Identify the parts labelled I, II, III, IV, V and VII.

6 marks

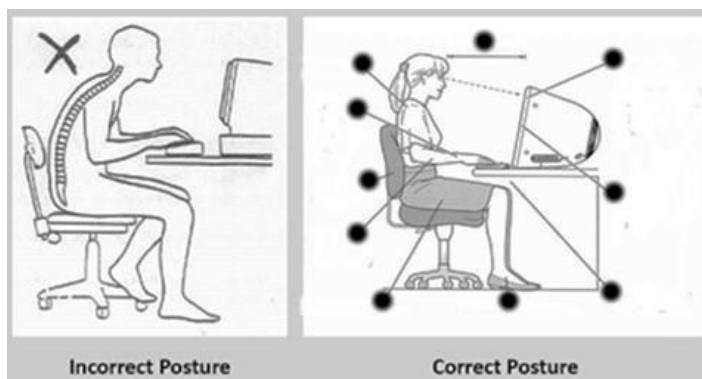
I ..... IV ..... II  
 ..... V .....  
 III ..... VII .....

ii. State the type of toolbar where I, II and VI can be found.

3 marks

I .....  
 II .....  
 III .....

21. Study the diagram and answer the questions that follow.



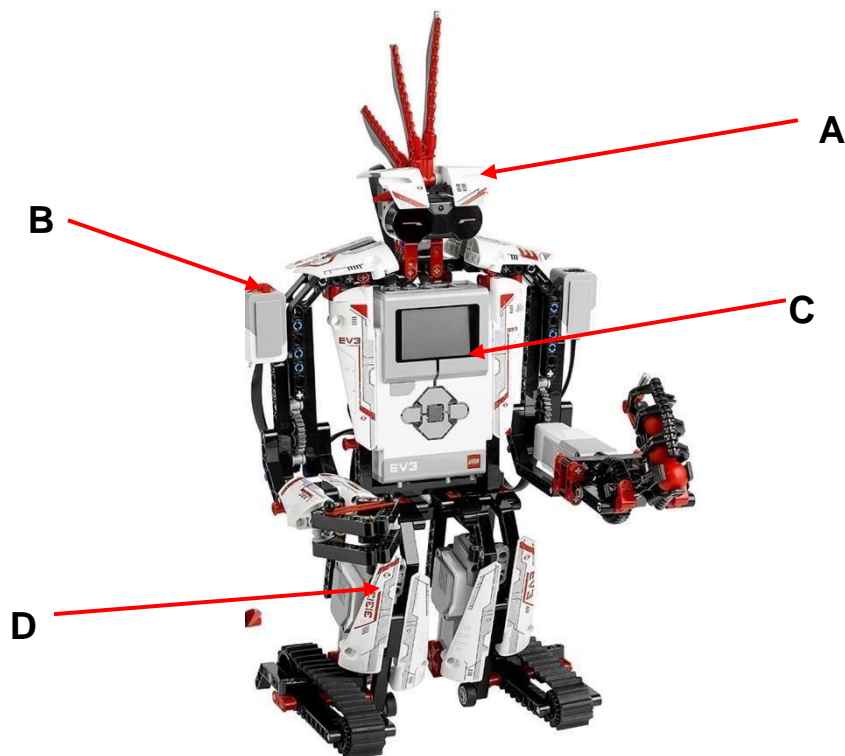
a) Describe **three** incorrect sitting postures in the picture.

[6marks]

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

b) Describe **four** *correct* postures to prevent health problems.

[8marks]



22. The figure shown here is a Lego Mindstorms robot. Use it to answer the questions that follow.

a. Name the parts labelled A to D  
**4marks**

A =

B =

C =

D =



b. Group the parts of the robot into a controller, mechanical and sensors

3marks

---

---

---

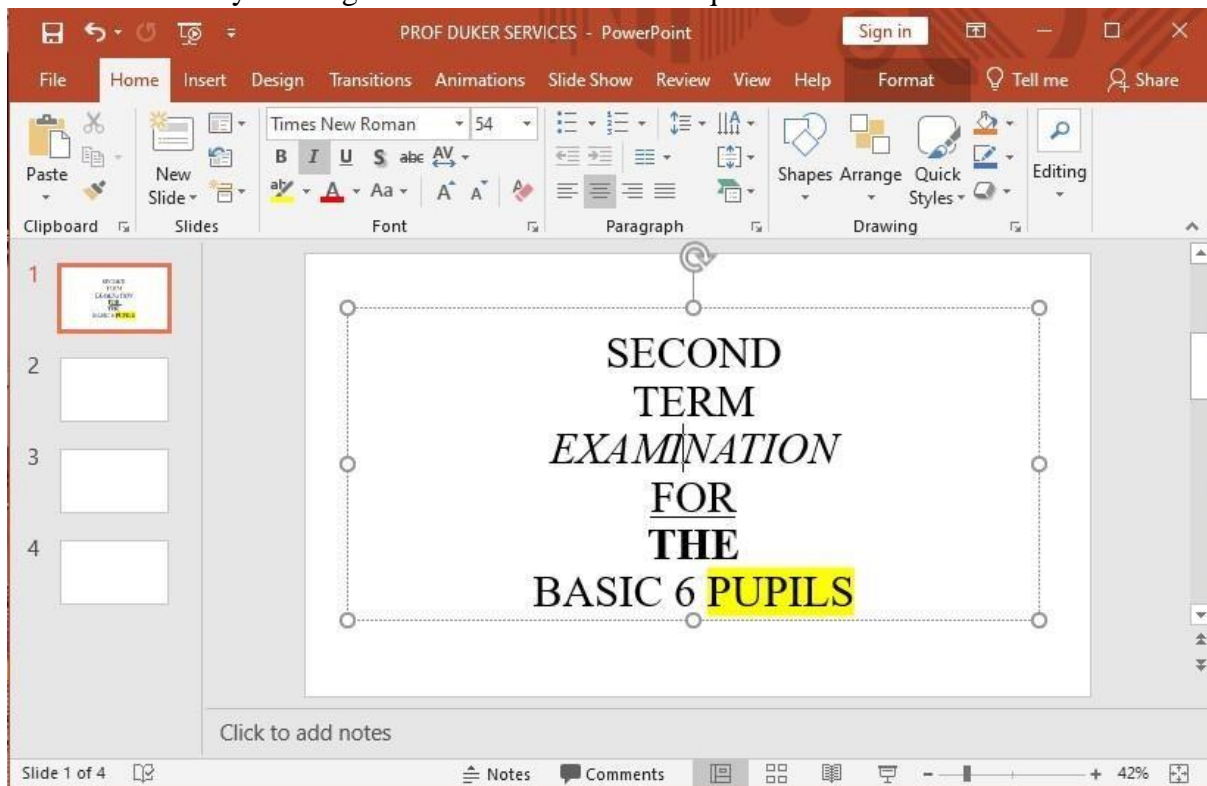
c. What type of robot is in the figure above?

2marks

---

23. Study the diagram below and answer the questions that follow

2marks each



i. What is the name of this application? \_\_\_\_\_ ii.

What is the name of the document? \_\_\_\_\_ iii.

How many slides are in this document? \_\_\_\_\_ iv.

What is the active slide? \_\_\_\_\_

v. What is the font size of the word “EXAMINATION”? \_\_\_\_\_ vi.

What is the font of the word “EXAMINATION”? \_\_\_\_\_ vii.

Which formatting is applied to the word “THE”? \_\_\_\_\_ viii.

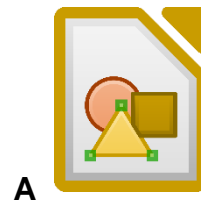
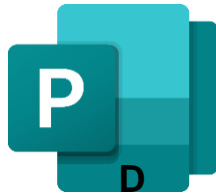
Which formatting is applied to the word “FOR”? \_\_\_\_\_ ix.

Which formatting is applied to the word “EXAMINATION”? \_\_\_\_\_

x. What is the active ribbon tab? \_\_\_\_\_

b) Identify the names of the following icons as used in desktop publishing program

**2 marks**



**Figure 2**

A= \_\_\_\_\_

C= \_\_\_\_\_

B= \_\_\_\_\_

D= \_\_\_\_\_

24. Identify the group of computer hardware below and use it to answer the questions that follows.



**A**



**B**



**C**



**D**



**E**



**F**



**G**



**H**

a) Name the items labelled A – H

**16marks**

A = \_\_\_\_\_

B = \_\_\_\_\_

C = \_\_\_\_\_

D = \_\_\_\_\_

E = \_\_\_\_\_

F = \_\_\_\_\_

G = \_\_\_\_\_

H = \_\_\_\_\_

**b)** Which of the items are communication tools?

**2marks**

---

---

---

**c)** Which of the tools can be used to store data?

**2marks**

---

---

---

**d)** Which of the tools can be used to connect to the internet?

**2marks**

---

---

---

**e)** Which of the tools was used in fourth generation of computers

**2marks**

---

---

---

**25.** . State whether the data is an *integer, float or double*.

**5 marks**

<i>Data</i>	<i>Data type</i>
2.567	
0.7225	
23	
100	

26. a. Study the diagrams below carefully and used it to answer questions (a)(i-iv)



A



B



C



D



E



F



G



H

i. What is the collective name used to call these devices?

.....

[1 mark]

i. What are the devices above used for?

.....

[2 marks]

ii. State the names of each of the devices shown above. (*All names in full*)

A. ....

B. ....

C. ....

D. ....

E. ....

F. ....

G. ....

H. ....

[8 marks]

iii. Classify the devices above into optical, magnetic, and solid-state storage devices

Optical Storage Device

Magnetic Storage Device

Solid-State Storage Device


27. a. Mr. Alfred Edward connected a new printer he had bought to his computer to prints some documents. He successfully connected the printer to the power source. Afterwards, he turned on the printer. However, when he issued the command to print, the computer could not recognize the printer to print the documents.

i. What could be the problem?

.....

.....

[1 mark]

ii. Suggest the possible solution Mr. Edward would need for the documents to be printed using that printer.

.....

.....

.....

[2 marks] iii.

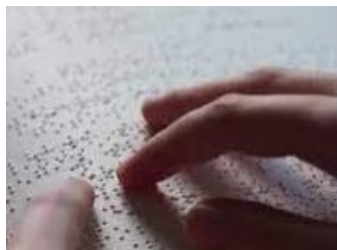
What is the purpose of the solution you would suggest to Mr. Edward?

.....

.....

.....

28. Study the devices in figure 3 carefully and use them to answer questions 1e



**Figure 3**

e. Name the following technologies for persons with disability figure 3.

4 marks

A ..... B

..... C

D .....

f. Mention the disability each technology in 1(e) is used to support.

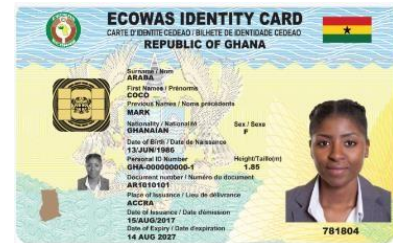
3marks

B ..... C

.....

D .....

1. Use the cards in figure I carefully and use them to answer questions (A) to (B)



A.

B.

C.

D.

(a) (i) What type of cards are displayed in Figure I

.....

(iii) Identify the cards labelled A, B, C and D.

A. ....



- B. ....
- C. ....
- D. ....

(iii) State the use of the cards labelled A and C.

A.....

C.....

