

CONTACT: 0247150346

SAMPLE

MASTERPIECE **SERIES**



COMPUTING
PRACTICAL MODEL

Based on NACCA Approved Computing Curriculum

BASIC 8

COMPUTING

PRACTICAL MODEL

FOR

BASIC 8

PERSONAL INFORMATION

NAME OF STUDENT:.....

LEVEL:.....

NAME OF SCHOOL:.....

DEDICATION

This book is dedicated to the **LORD JESUS CHRIST**
the chief corner stone, the very essence of life
and the embodiment of all Wisdom..
I am forever grateful to you for your eternal love.

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Accra Ghana

Telephone : 024-7150346
027-2949373
050-1198504

Website: <https://www.masterpiecehouse.com>

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Exercise:.....

Date:.....

1) The images below show two main types of fifth generation computers. Study the images carefully and answer the questions that follow.



A



B

a) Identify computer **A** and **B**.

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b) State **three** differences between computer **A** and **B**.

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c) State **three** characteristics of a fifth-generation computer.

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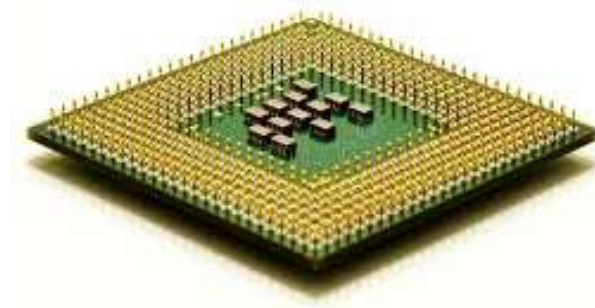
Corrections *Masterpiece Series*

This image shows a full-page view of a handwriting practice sheet. At the top right, the words "Masterpiece Series" are written in a cursive font. Below this, centered at the top, is the word "Corrections" underlined. The rest of the page is filled with horizontal lines for writing. Each row consists of a solid top line, a dotted midline, and a solid bottom line, providing a guide for letter height and placement. There are 20 such rows on the page.

Exercise:.....

Date:.....

5) Study the diagram below carefully and use it to answer the questions that follow:



a) Identify the diagram shown above

.....

b) Name the **three** main components of the diagram above

.....

c) List four **electronic** devices that use this device apart from a **desktop** or **laptop** computer.

.....

d) State **three** functions of the device identified in (a) above.

.....

Exercise:.....

Date:.....

9) Study the diagram below carefully and use it to answer the questions that follow:



a) Identify the diagram shown above

.....

.....

b) State the use of the diagram identified in (a) above

.....

.....

.....

c) List **four** electronic devices that use the device identified in (a) above to produce output.

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d) Identify the two **main** types of the device shown above

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Corrections *Masterpiece Series*

[illegible]

Exercise:.....

Date:.....

16) Identify the correct sitting postures in the diagrams below. Indicate the correct sitting posture with a plus symbol (+) and the wrong sitting posture with an (x) symbol in the box provided below the picture:


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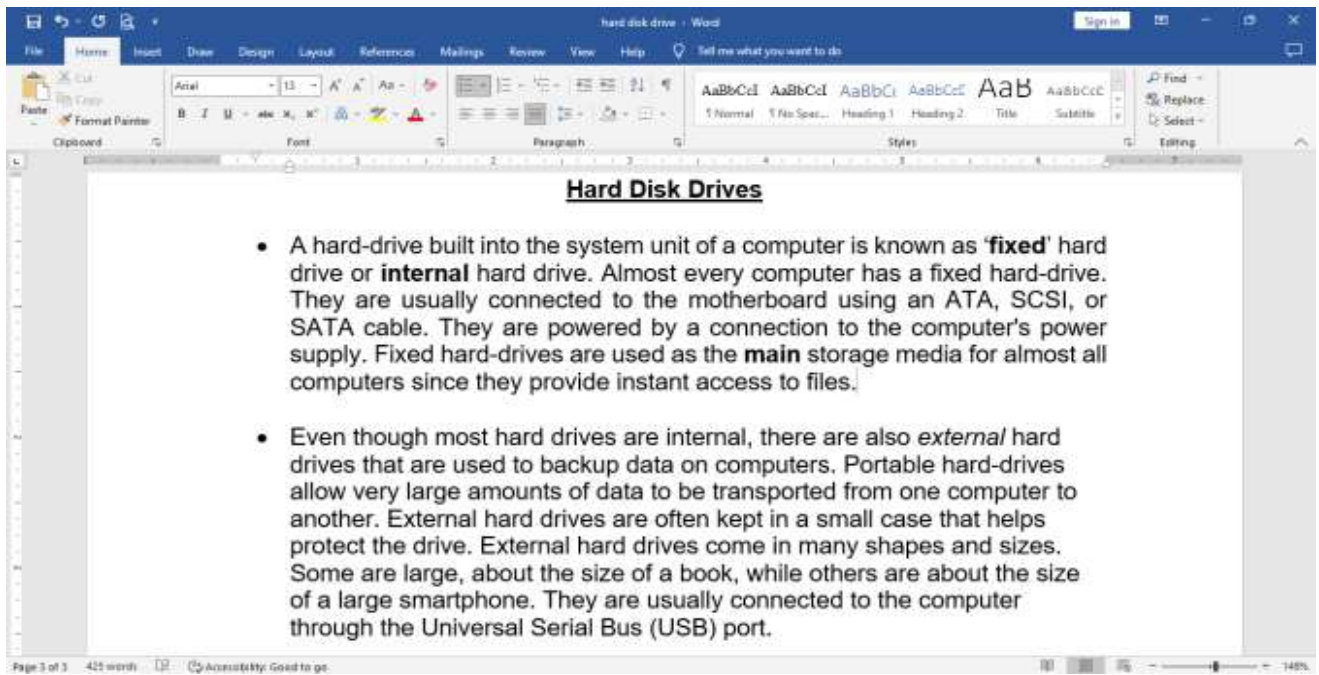
☐

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Exercise:.....

Date:.....

20) Study the diagram shown below carefully and use it to answer the questions that follow:



a) Identify the type of alignment applied to the first paragraph in the diagram above

.....

b) Identify the type of alignment applied to the second paragraph in the diagram above

.....

c) Outline the steps that was used to apply the **bullets** to the two paragraphs in the diagram above

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d) What is the name of the document in the diagram above?

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Corrections

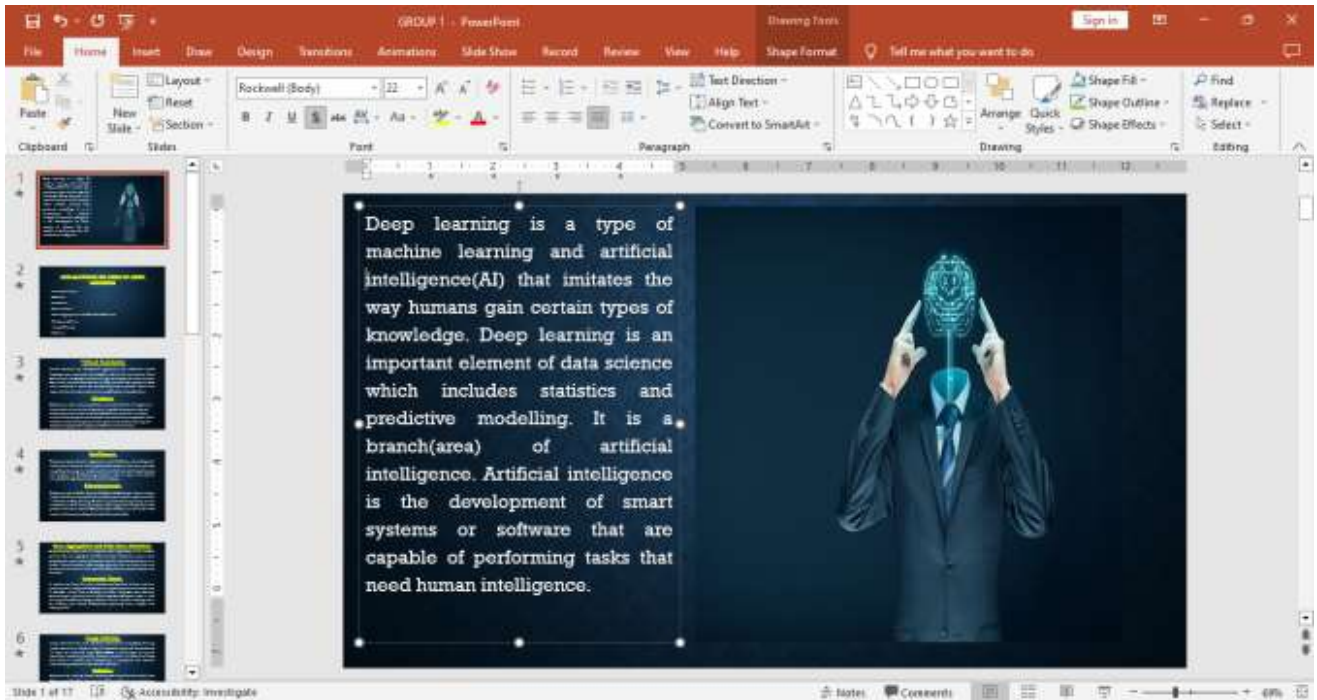
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Corrections

Exercise:.....

Date:.....

27) Study the diagram shown below carefully and use it to answer the questions that follow:



a) Identify the type of application that was used to create the diagram above

.....

b) Name the command button that you can use to change the **heading** to uppercase without **retying** it.

.....

c) Name the command button that you can use to **lay emphasis** on a text in the diagram above.

.....

d) Identify the command button that can be used to change the color of text in the diagram above.

.....

e) Name three **other** applications that can be used to perform the same task above.

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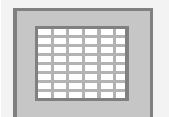
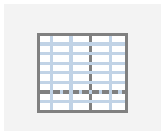
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Exercise:.....

Date:.....

40) Identify each button from the view ribbon in a MS Excel application and state the purpose of each:

Button	Name	Use
i) 		
ii) 		
iii) 		
iv) 		
v) 		

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Corrections

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Exercise:.....

Date:.....

44) Study the diagram below carefully and use it to answer the questions that follow:

	A	B	C	D	E	F	G	H	I
1		WEEK 1	WEEK 2	WEEK 3	WEEK 4				
2	MONDAY	32	40	45	30				
3	TUESDAY	38	28	23	26				
4	WEDNESDAY	36	37	35	44				
5	THURSDAY	45	19	29	17				
6	FRIDAY	20	35	41	33				
7	SATURDAY	45	23	42	45				
8	SUNDAY	28	55	24	38				
9									
10	TOTAL	171	159	173	150				
11	MEAN	34.2	31.8	34.6	30				
12	HIGHEST	45	55	45	45				

a) What is the name of the application window above?

b) What is the name of the file in the window above?

c) Write down the content of the formula bar in the diagram above.

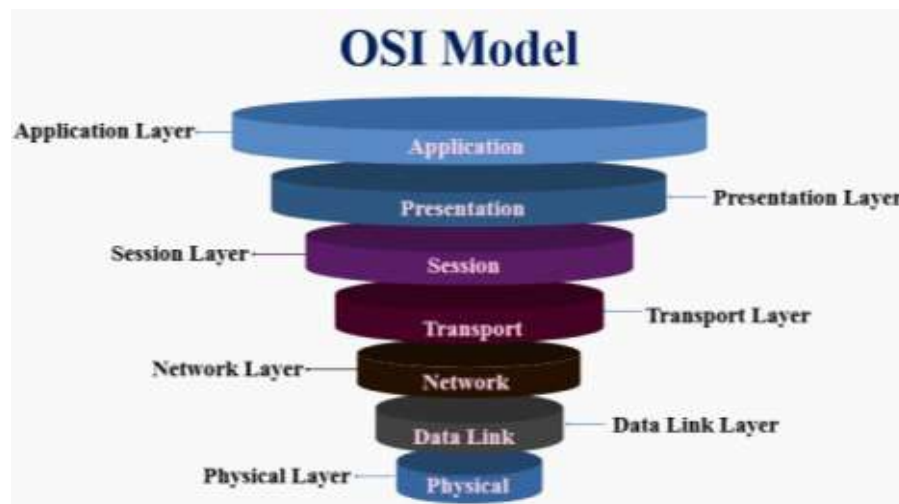
d) Why is the cell with the reference **D7** having a thick border around it?

e) Give the steps that was used generate the **days of the week** without typing them one by one.

Exercise:.....

Date:.....

51) Study the diagram below carefully and use it to answer the questions that follow:



State the purpose for each of the layers in the Open System Interconnection (OSI) model

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.

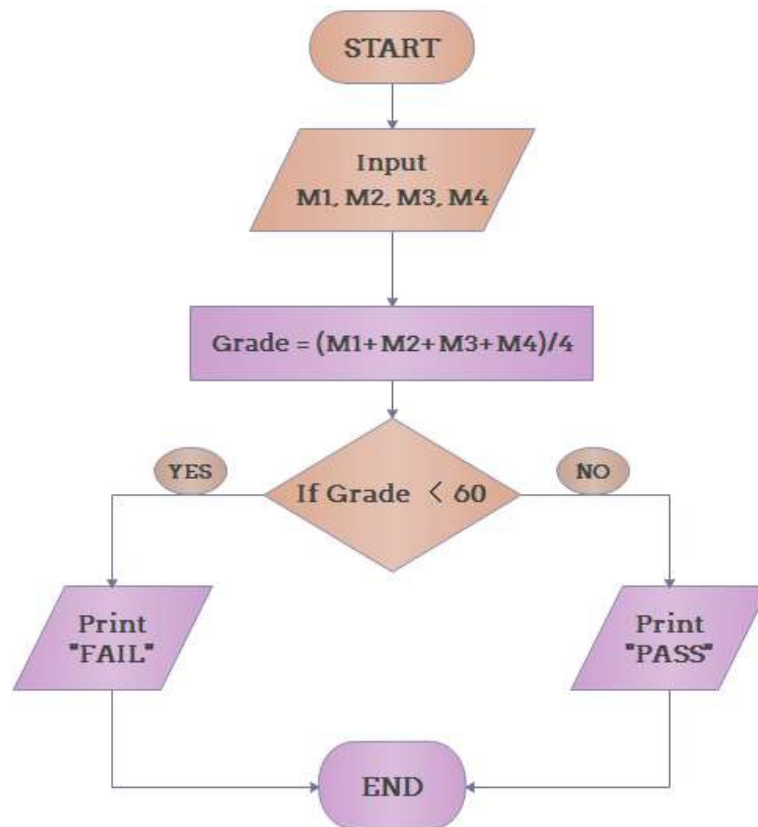
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Exercise:.....

Date:.....

62) The diagram below is a flow chart of algorithm used to determine whether a student passed or failed an exam. Study the diagram below carefully and use it to answer the questions that follow:



a) Assuming the values of M1, M2, M3 and M4 are 70, 60, 65 and 83 respectively. What will be output of the flow chart above?

.....

b) Taking M1, M2, M3 and M4 to be 50, 45, 52 and 40 respectively, what will be the output of the flow chart above?

.....

c) How is the Grade determined in the flow chart above?

.....

d) How many possible outcomes can the “If Grade < 60” statement provide?

.....

e) What is the name of the flow chart **shape** that contains “If Grade < 60” statement?

.....

Exercise:.....

Date:.....

63) Write algorithm for a simple program that can determine whether a given number is an even or odd number. Use flow chart to present your algorithm of the program.

Exercise:.....

Date:.....

64) Identify each of the following components of a robot and state the function of each:

Device	Name	Function
a) 		
b) 		
c) 		
d) 		
e) 		