**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ADM NO: \_\_\_\_\_\_\_\_\_\_\_\_CLASS:\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SIGN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

MARKS HERE

**COMPUTER STUDIES**

**FORM THREE**

**TERM 3, 2023**

**INSTRUCTIONS: (Answer all the questions) TIME: (1h 30min)**

1. Name three causes of syntax errors **(3marks)**

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1. Define the following terms as used in Computer Programming
2. Machine dependent **(2marks)**

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1. Bug **(2marks)**

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1. Study the Pseudo code below and answer the questions that follows.
2. Begin
3. Input Y, X
4. Check if Y and X > 0 Then else go to step 9
5. Multiply Y and X
6. Is product > 20 then?
7. Display Product
8. Repeat steps 2, 3,4,5,6
9. Else go to step 9
10. Stop
11. Draw a flowchartfor the pseudo code above  **(8marks)**
12. Below is an extract of an Excel worksheet. Use it to answer the questions that follow.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | B | C | D | E | F | G |
| **1** | **Product ID** | **Product Name** | **Received**  **Quantity** | **Sold**  **Quantity** | **Balance**  **Stock** | **Unit Price** | **Total** |
| 2 | PW00012 | Ball | 1000 | 300 | 700 | 60 |  |
| 3 | PW00023 | Ruler | 200 | 150 | 50 | 50 |  |
| 4 | PW00045 | Pen | 130 | 130 | 0 | 10 |  |
| 5 | PW00029 | Bread | 400 | 200 | 200 | 50 |  |
|  | **GRAND TOTAL** |  | | | | |  |

Write down the formula used to:

1. Calculate the balance stock (**2marks)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ii. Calculate the Total cost **(2marks)**

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iii.Given that customers who purchased Rulers were allowed 10% trade discount write a formula that would be used to get the Total cost **(2mark)**

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1. Use named reference to calculate the Grand Total **(2marks)**

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1. State two differences between Disk Operating System (DOS) and a Window based Operating System **(4marks)**

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1. State three reasons why computer technicians prefer using command line operating system when troubleshooting a computer **(3marks)**

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1. List two types of domain names given to institutions of learning **(2marks)**

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1. Explain the function of each button on the navigation toolbar of a web browser **(3marks)**
2. History

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1. Home

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Download

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Peter Kenneth bought a PC for his personal use at home. He wanted to do online writing at home to earn a living but there was no internet connectivity at home. Mention three internet connectivity requirement Peter Kenneth need to consider to get full internet connectivity **(3marks)**

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1. Give three reasons to justify why companies like Alibaba, Kilimall, Jumia, Copia, and Masoko prefer selling their products on e-commerce platforms **(3marks)**

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1. Describe three factors to consider when choosing a file organization method **(2marks)**

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1. State two challenges facing electronic data processing modes in the current society **(2marks)**

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1. Convert the following numbers
2. DDFF3416 to Binary **(3marks)**

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