#  TERM TWO EXAMINATIONS

**COMPUTER STUDIES**

# FORM THREE

**TIME – 2 ½ HOURS**

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**Name**: …………………………………………………………. **Adm** **No**: ……………….

**School**: ……………………………………………………….. **Class**: …………………..

 **Signature**: …………………………………………………….. **Date**: …………………...

**INSTRUCTION TO CANDIDATES**

* Write your name and index number in the spaces provided above
* This paper consists of **Two** sections **A** and **B**
* Answer **ALL** questions in section **A**
* Answer question 16 and any other **THREE** questions from section **B**
* All answers should be written in the spaces provided on the question paper

**FOR EXAMINER’S USE ONLY**

|  |  |  |
| --- | --- | --- |
| **SECTION** | **QUESTIONS** | **CANDIDATE’S SCORE** |
| A | 1 -15 |  |
| B | 16 |  |
| 17 |  |
| 18 |  |
| 19 |  |
| 20 |  |
|  | **TOTAL SCORE** |  |

**SECTION A (40 MARKS)**

**Answer ALL the questions in SECTION**

1. Explain the term procedural language as used in computer programming **(2marks)**

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1. List three symptoms of a computer infected with a computer virus (**3marks**)

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1. Given that 10112  is a negative number workout its three possible decimal equivalent **(3-marks)**

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1. Describe three ways of deleting a line of text in a Microsoft Word document **(3marks)**

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1. Name three types of graphical objects that can be inserted in a Microsoft Word document **(3marks)**

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1. Briefly describe two features of the Random file organization method **(2marks)**

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1. List three human features used by Biometric systems installed in a computer to authenticate users **(3marks)**

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1. Describe three ways in which human beings issue commands to the computer **(3marks)**

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1. Give three file management tasks that would be carried out by an operating system **(3marks)**

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1. Collins connected new multimedia speakers to his computer and tried to play his favorite music CD, but no sound came out. Suggest two problems that might have occurred **(2marks)**

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1. State how the following printing problems can be resolved **(3marks)**
2. Paper jam

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1. Lack of communication between the printer and the computer

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1. Give four benefits of computerizing the organization filling system **(4marks)**

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1. Explain the following measures against unauthorized access **(2marks)**
2. Security policy

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1. Security monitor

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1. Describe two worksheet data management tools supported by spreadsheet **(2marks)**

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1. What does the term gutter mean in relation to column setting in DTP **(2marks)**

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**SECTION B (60 MARKS)**

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** |  |  |

1. Write down the formula used to:

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

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Calculate the Total cost **(2marks)**

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1. 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. 7.562510 to Binary **(3marks)**

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1. DDFF3416 to Binary **(3marks)**

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1. Bit patterns can be interpreted in a number of different ways. A computer word contains the bit pattern 0011101110. What is its decimal value if it represents a pure binary integer **(3marks)**

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1. Given that the number on the extreme left is a sign bit work out the decimal equivalent of the following binary numbers **(3marks)**
2. 100110101

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1. 010011010

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1. Use twos complement to subtract 2010 from 1510 **(3marks)**

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1. List two types of field in a database used to create relationships between multiple tables **(2marks)**

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1. Describe three types of relationships used in a databases to link multiple tables **(3marks)**

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1. Describe the following field data types as used in Databases
2. Calculated **(2marks)**

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1. Attachment **(2marks)**

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1. Briefly describe three factors to consider when choosing an ISP  **(3marks)**

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1. List three reasons why companies prefer email instead of postal mail **(3marks)**

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