**GATITU SECONDARY SCHOOL**

**COMPUTER STUDIES ~ 2015 ~ END TERM EXAMS ~ TERM 1 ~ F3**

ADM: …………………. NAME: ………………………………………….……………..……………………………………………………….CLASS: ……..…

1. Give a reason for each of the following disk management techniques =1 ½ mk
   * 1. Disk partitioning

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* + 1. Disk compression

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* + 1. Disk defragmentation

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1. Briefly describe how the following data security measures function =3mks
   * 1. Audit trail

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* + 1. Log files

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* + 1. Firewalls

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1. Explain the **three** factors used to classify the operating system =3mks

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1. Discuss the **three** main types of Human Computer Interface =3mks

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1. List the **three** data processing methods =1 ½ mk

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1. Distinguish between =3mks
   * 1. Cell referencing

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* + 1. Relative referencing

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* + 1. Absolute referencing

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2. What is data integrity? =1mk

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1. Explain the following errors =2mk
   * 1. Transcription errors

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* + 1. Transposition errors

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1. Giving an example, mention **three** categories of places where you can advance your computer skills after sitting for your KCSE =3mks

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1. Briefly describe the following types of computer files =3mks
   * 1. Master file

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* + 1. Transaction file

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* + 1. Back up file

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1. State **three** classifications of micro computers when categorized according to size =3mks

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1. Differentiate between optical and magnetic scanning techniques and give two examples of each =4mks

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1. The first column in the table below contains the formula stored in cell C10 of a spread sheet. Enter the formula as they would appear when copied to cell F15 of the same spreadsheet =3mks

|  |  |
| --- | --- |
| **Formula in cell C10** | **Formula in cell F15** |
| A56\*B5 |  |
| A$5 |  |
| 4\*B$6 |  |

**WORK AREA**

1. Work out the binary addition =1mk

|  |
| --- |
| 1011102  11112  + 112 |

1. Using **two’s** compliment, calculate: =2mks

2810-810=

1. Write the following acronyms in full
2. BCD \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. ASCII \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. EBCDIC \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Find the value of **x** in the equation =2mks

121316=**x**10

1. Explain the role of a modem in communication =1mk

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1. Explain why the following are harmful to a computer =2mks
   * 1. Magnet

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* + 1. Water

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1. Distinguish between the **RAM** and **ROM** primary memories =2mks

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1. Explain the importance of ICT in a society =1mk

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1. Draw a symbol used to represent each of the following ports =3mks
2. USB port
3. Serial port
4. Parallel port
5. Give **two** ways on how humidity damage computers =2mks  
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**Work area**