**THE TOP SCHOOLS MULTILATERAL SERIES 2 FORM 2 MIDTERM 1 EXAMS 2024**

**NAME:…………………..………………..CLASS:……………...ADMNO:…………..**

**COMPUTER STUDIES**

**FORM 2**

1. i) With the aid of a diagram, differentiate between analogue and digital data signals. (4mrks)

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ii) State any three differences between data and information. (3mrks)

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| --- | --- | --- | --- | --- | --- |
| ***Data*** | |  |  | ***Information*** | |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
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2. Discuss the following types of computers. (4mks)

i) Dedicate purpose computers

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ii) Embedded computers

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3. a) Define the term operating system. (2mrks)

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b) i) Write the following acronyms in full as used in operating systems.

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| --- | --- | --- | --- | --- | --- |
| *(i)* | *GUI* | |  | | *(1 mark)* |
|  | |
| *(ii)* | *WIMP* | |  | | *(1 mark)* |

ii) State five factors considered when choosing an operating system for use in a computer. (5mrks)

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c) Describe any four functions of the operating system. (8mrks)

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d) i) What is meant by disk defragmentation? (2mrks)   
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ii) State two purposes of disk defragmentation (2mrks)   
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4. a) Define a computer laboratory. (2mrks)

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b) State three functions of the UPS. (3mrks)

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c) State four factors to consider when setting a computer laboratory. (4mrks)

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5. Discuss three uses of computers in science and research. (6mrks)

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6. a) Describe 4 types of Read Only Memory. (8mrks)

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b) Highlight three indications of a computer infected by a virus. (3mrks)

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7. A school computer laboratory is scheduled to undergo major renovations. The lab is schedule to receiver new computer whose specifications are given below: -

Pentium IV 2.8GHz processor

40GB HDD

3 ½ FDD

256MB RAM

56CD Rom

17 SVGA TFT monitor

Explain what is meant by the terms: - (8mrks)

FDD

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HDD

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SVGA

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TFT

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8. Briefly explain any Four block operations that can be performed on data in word processing. (4mrks)

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9. List down 3 similarities between a normal calculator and a computer. (3mrks)

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10. a) The accounts department of a secondary school is using a system that generates invoices that are printed in triplicate using carbon papers.

Name two type of printer suitable for this task. (2mrks)

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b) Give a reason for your answer (a) above. (1mrk)

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11. (a) State any three advantages and three disadvantages of an email over the Traditional Mail (6marks)

**Advantages of emails**

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***Disadvantages of emails***

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12. Describe three ways of classifying computers. (6mrks)

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13. Give four examples of toggle keys found in the computer keyboard. (4mrks)

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14. i) Differentiate between a register and buffer. (4mrks)

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ii) Name four examples of Registers. (4mrks)

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