NYABURURU GIRLS'
NATIONAL SCHOOL

OUR LADY OF LOURDES

DATE DONE..

INVIGILATOR...

DATE RETURNED...

DATE REVISED..

COMPUTER STUDIES
FORM 3
CAT I TERM I 2016
TIME: 2 HOURS

INSTRUCTIONS

- ❖ Write your Name, Adm. No., Class in the spaces provided.
- ❖ Answer all questions in the spaces provided.
- ❖ Write your name and admission number
- ❖ Answer all questions in section A and question 16 is compulsory
- ❖ Answer any 4 questions in section B.

1. (a) Define the following terms as used in computer studies.   (3 Mks)
   (i) Central processing unit

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   (ii) Computer laboratory

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   (iii) Bus

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2. Give the importance of backing up data.   (2 Mks)

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3. Describe the following types of monitors. (6 Mks)
(a) Catrhode Ray Tube

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(b) Liquid crystal display

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(c) Gas plasma

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4. Briefly explain the following types of memory. (3 Mks)
(a) Mask ROM

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(b) Buffer

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(c) Registers

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5. Differentiate between the following terms as used in computer studies. (6 Mks)
(a) Table and Query

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(b) Entity and Attribute

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(c) Insert table and importing table

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6. Give three advantages of computerized filling. (3 Mks)

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7. Differentiate between merging cells and splitting cells. (2 Mks)

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8. (a) Define the term computer virus. (1 Mk)

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(b) State one characteristic of a computer that has a virus. (1 Mk)

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9. Define the term peripheral devices. (2 Mks)

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10. Differentiate between optical mark recognition and optical character recognition. (2 Mks)

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11. Give out three reasons why magnetic ink character recognition are too popular in banking industry for cheques. (2 Mks)

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12. State the two types of plotters. (2 Mks)

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13. You are provided with USB, parallel and serial cables. Which of the cables provided can be used to; (6 Mks)

(a) Support variety of peripheral devices.

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(b) Transmit data in a short distance.

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(c) Transmit data in a long distance.

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14. What is a file extension. (1 Mk)

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15. What is a desktop. (1 Mk)

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SECTION B.

Answer Question 16 compulsory and any other 4 questions in this section)

16. (a) Using an illustration. State three components of MS Excel function. (3 Mks)
    = Sum (B2:B8)

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(b) Define the term reference as used in spreadsheet. (2 Mks)

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(c) Explain five types of cell referencing. (5 Mks)

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(d) Write the following formula as absolute. (1 Mk)

G 12 + H 13

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(e) the formula = (A 2 + B 2) x & C3 is entered in cell D2 and then copied in cell F5. What will it be in cell F 5. (2 Mks)

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(f) What is the meaning of the term Global as far as worksheet is concerned. (2 Mks)

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17. (a) What is a relationship in database. (2 Mks)

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(b) State three different types of relationships recognized among various data stored in the database. (3 Mks)

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(c) (i) What is a database model. (2 Mks)

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(ii) Describe four types of database models. (4 Mks)

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(d) Explain any two types of data intergrity constraints in database. (4 Mks)

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18. (a) Define the term desktop publisher. (1 Mk)

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(b) Give three purpose of desktop publishing softwares. (3 Mks)

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(c) Define the following terms as used in DTP. (6 Mks)

(i) Printable area

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(ii) Paste board

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(iii) Tracking

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(iv) Kerning

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(v) Margin guide

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(vi) Column guide

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(d) (i) What is a master page.   (2 Mks)

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(ii) Explain three importance of a master page.   (3 Mks)

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19. (a) Explain the following e-mail address parts.   (4 Mks)

Nyabururugirls@g.mail.com.

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(b) (i) Define the term search engine.   (2 Mks)

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(ii) Give two examples of search engines. (2 Mks)

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(c) Differentiate between the following terms. (3 Mks)

(i) Downloading and uploading

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(ii) Internet and network

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(iii) Log in and sign up

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(d) Explain how telephone lines are used to send e-mails. (4 Mks)

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20. (a) Define the term virus. (1 Mk)

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(b) Explain any four types of computer viruses. (4 Mks)

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(c) Discuss four features of a computer virus. (4 Mks)

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(d) Elaborate any four sources of a computer virus. (4 Mks)

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(e) Explain any four control measures against viruses. (2 Mks)

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