THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL OF TANZANIA

CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

036/2   **INFORMATION AND COMPUTER STUDIES 2**

(For Both School and Private Candidates)

Time: 3 Hours   **ANSWERS**   **Year: 2010**

Instructions

1. This paper consists of three questions

2. Answer two questions.

1. Write an HTML code that will display the following in a browser:

Solution:

```
<!DOCTYPE html>
<html>
<head>
   <title>Research Topic</title>
   <style>
     table {
        width: 60%;
        border-collapse: collapse;
        margin: auto;
     }
     table, th, td {
        border: 1px solid black;
     }
     th, td {
        text-align: center;
        padding: 10px;
     }
     h1 {
        text-align: center;
     }
   </style>
</head>
<body>
   <h1>Research Topic</h1>
   <table>
     <tr>
        <td>Introduction</td>
     </tr>
     <tr>
        <td>Objective</td>
     </tr>
     <tr>
        <td>Mission</td>
     </tr>
     <tr>
        <td>Contacts</td>
     </tr>
   </table>
</body>
</html>
```

2. Use your Desktop Publishing knowledge:

(a) Design a "Certificate of Excellence" for ICT students. Use the following guidelines to finish the certificate.

(i) The word "Certificate of Excellence" should be written in font type Monotype Corsiva, font size should be 38, and font color should be Blue.
(ii) Above the word "Certificate of Excellence," include the school address:
    Kipamambe Secondary School, P.O. Box 10, Dar Es Salaam.
    Use font size 16 and font type Century Gothic for the heading, and it should be bolded.
(iii) Insert a clip picture relevant to the topic on every corner of the certificate.
(iv) Include a place for Headmaster/Mistress Name and Signature and a place for Academic Master/Mistress Name and Signature.

Steps:
- Open Microsoft Word or Publisher.
- Set the page orientation to landscape.
- Insert a header with the school address formatted as specified.
- In the body, insert the title "Certificate of Excellence" formatted as specified.
- Add placeholders for signatures and include clip art at the corners.
- Save the certificate.

(b) Create a brochure to be used to announce evening computer courses due to start in December 2009.

(i) The college name is Juakali Computer Training Centre. It should appear on the front page.
(ii) Courses to be offered are:
- Introduction to Computers - 4 weeks - Tshs 20,000
- MS Word - 4 weeks - Tshs 20,000
- MS Excel - 4 weeks - Tshs 20,000
- MS PowerPoint - 4 weeks - Tshs 20,000
- MS Publisher - 4 weeks - Tshs 20,000
- Internet - 4 weeks - Tshs 20,000

(iii) Insert clip art related to the topic.
(iv) Page size for the brochure should be A4 folded into 4 panels.
(v) Include a blank sign-up form at the last page.

Steps:
- Open Microsoft Publisher or Word.
- Set the page size to A4 and divide it into four panels (using text boxes or columns).
- On the first panel, add the title "Juakali Computer Training Centre" with relevant formatting.
- On the next panels, list the courses and prices with relevant formatting.
- Insert relevant clip art or graphics.

- On the last panel, add a sign-up form with fields for Name, Contact, Course Interested, and Signature.
- Save the file as "Certificate and Brochure" in the same folder.

3. Given the table below, named Toy Inventory Store:

Tasks:

ii. Create queries to determine the following:

(i) Quantity < 50
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the field "Quantity" and set the criteria to `<50`.
- Run the query and save it as "Quantity Less Than 50".

(ii) Wholesale >= 2.50 and Wholesale <= 4.00
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the field "Wholesale" and set the criteria to `>=2.50 AND <=4.00`.
- Run the query and save it as "Wholesale Range".

(iii) OrderedDate = "07/01/2009"
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the field "OrderedDate" and set the criteria to `07/01/2009`.
- Run the query and save it as "Ordered Date Query".

(iv) Brand = "Nature's Kids" or Brand = "Plastic Pets"
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the field "Brand" and set the criteria to `"Nature's Kids" OR "Plastic Pets"`.
- Run the query and save it as "Nature's Kids or Plastic Pets".

(v) Brand = "Galaxy Toys" and Brand = "Flying Fun"
Query:

Find this and other free resources at: http://maktaba.tetea.org

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- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the field "Brand" and set the criteria to `"Galaxy Toys" AND "Flying Fun"`.
- Run the query and save it as "Galaxy and Flying Fun".

(vi) Brand = "Flying Fun" or Brand = "Nature's Kids" and Retail <= 5.00
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the fields "Brand" and "Retail".
- Set the criteria for Brand as `"Flying Fun" OR "Nature's Kids"` and for Retail as `<=5.00`.
- Run the query and save it as "Flying Fun or Nature's Kids and Retail <= 5.00".

ii. Write out the query you would use to find the following:

(i) All the Toys ordered between July 1 and July 7.
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the field "OrderedDate".
- Set the criteria to `>=07/01/2009 AND <=07/07/2009`.
- Run the query and save it as "Toys Ordered Between July 1 and July 7".

(ii) Any toys with a wholesale cost more than Tsh 4.99 that were not ordered by J.Mathers.
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the fields "Wholesale" and "OrderedBy".
- Set the criteria for Wholesale to `>4.99` and for OrderedBy to `NOT "J.Mathers"`.
- Run the query and save it as "Wholesale > 4.99 Not Ordered by J.Mathers".

(iii) All the Brown Toys that retail for more than Tsh 10.00.
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the fields "Color" and "Retail".
- Set the criteria for Color to `"Brown"` and for Retail to `>10.00`.
- Run the query and save it as "Brown Toys Retail > 10.00".

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(iv) Any toys that were ordered by T.Livingstone or A.Hayes before 7/1/2009.
Query:
- Open the database.
- Create a query in design view.
- Select the table "Toy Inventory Store".
- Add the fields "OrderedBy" and "OrderedDate".
- Set the criteria for OrderedBy to `"T.Livingstone" OR "A.Hayes"` and for OrderedDate to `<07/01/2009`.
- Run the query and save it as "Ordered by T.Livingstone or A.Hayes Before 7/1/2009".