NAME:.. INDEXNO..

SCHOOL.. SIGN............................... DATE.....................

451/2
COMPUTER STUDIES
PAPER 2 (PRACTICAL)
FORM 4
MARCH 2013
TIME: 2 ¹/₂ HOURS

PENTAGON JOINT EXAMINATIONS- 2013 WARENG DISTRICT

The Kenya Certificate of Secondary Education

Instructions to Candidates

1. *Indicate your **name** and **Index number** at the top right hand corner of each printout.*
2. *Write your **name and Index number** on the CD/ removable storage medium provided.*
3. *Write the **name** and **version** of the software used for each question attempted in the answer sheet..*
4. *Answer **ALL** questions.*
5. *All questions carry equal marks.*
6. *Passwords **should not be used** while saving in the CD/ removable storage medium provided*
7. *All answers **must** be saved in your CD/ removable storage medium provided*
8. *Make printouts of the answers on the answer sheets provided.*
9. *Arrange your printout and staple/tie them together*
10. *Hand in all the **printouts** and the **CD/ removable storage medium provided***

1. (a) Create a Folder and use your full index number to name it. Type the document below exactly as it is using a Word processing package and save it as **INTERNET** in the folder you have just created.

(20marks)

A Brief History of the Internet and Related Networks

In 1973, the U.S. Defense Advanced Research Projects Agency (DARPA) initiated a research program to investigate techniques and technologies for interlinking packet networks of various kinds. The objective was to develop communication protocols, which would allow networked computers to communicate transparently across multiple, linked packet networks. This was called the Internetting project and the system of networks, which emerged from the research, was known as the "Internet." The system of protocols which was developed over the course of this research effort became known as the TCP/IP Protocol Suite, after the two initial protocols developed: Transmission Control Protocol (TCP) and Internet Protocol (IP).

In 1986, the U.S. National Science Foundation (NSF) initiated the development of the NSFNET which, today, provides a major backbone communication service for the Internet. With its 45 megabit per second facilities, the NSFNET carries on the order of 12 billion packets per month between the networks it links.

The National Aeronautics and Space Administration (NASA) and the U.S. Department of Energy contributed additional backbone facilities in the form of the NSINET and ESNET respectively.

In 1986, the National Science Foundation funded NSFNet as a cross country 56 Kbps backbone for the Internet. They maintained their sponsorship for nearly a decade, setting rules for its non-commercial government and research uses.

The first effort, other than $_{library}$ catalogs, to index the ^{Internet} was created in 1989, as Peter Deutsch and his crew at **McGill University ™** in named Archie. This software available ftp sites, list their files, and Montreal, created an archiver for ftp sites, which they would periodically reach out to all known openly build a searchable index of the software. The commands to search Archie were unix commands, and it took some knowledge of unix to use it to its full capability.

(b) (i) Set the Line spacing of the paragraph starting with the word " The first effort , ……" to 1.5

(1mark)

(ii) Insert your Name and Index number as a footer (1mark)

(c) Create a mail merge using the letter(main document or primary file) below and the list (table) shown below (13marks)

<div align="right">
PENTAGON HIGH
P.O. BOX 5117
WARENG
</div>

<<Title>
<<FirstName>>
<<Address>>
<<Town>>

RE: READMISSION BACK TO SCHOOL

Following last month's incident where students went on rampage and destroyed school's property, we would like to inform you that your daughter is required to report back to school on <<Date>> accompanied by a parent/guardian and a damage fee of Kshs 5,000. Also you are required to clear fee arrears of <<Fee balance>> failure to which your daughter will not be accepted back.

Ms Morgan
Principal

    (i)   Create the source data or secondary file shown below and save it as "**Address**" in the folder you created in 1(a) above and use it for mail merging above letter.   (1mark)

    (ii)   Save this letter(*Four Letters in total for each individual*) as "**Hooligans**" in the folder you created in 1(a) above.   (1mark)

Title	FirstName	Address	Town	Date	Fee balance
Mr	Kabaka	567	Kisii	12/7/09	2,500
Hon	Khalwale	6	Bungoma	7/8/09	10,000
Ms	Vincenza	8664	Nairobi	1/1/09	7,500
Prof	Ekidor	66	Lodwar	8/8/09	24,500

(d)   Copy and paste the table in Question one (c) above, add two new columns at the top and format it exactly at it appears below: (8marks)

TAHIDI HIGH LIST OF HOOLIGANS					
TITLE	**PROFESSION**				
Title	**FirstName**	**Address**	**Town**	**Date**	**Fee balance**
Mr	Kabaka	567	Kisii	12/7/09	2,500
Hon	Khalwale	6	Bungoma	7/8/09	10,000
Ms	Vincenza	8664	Nairobi	1/1/09	7,500
Prof	Ekidor	66	Lodwar	8/8/09	24,500

(e)   Print INTERNET and Hooligans   (5marks)

2.   The data in tables shown below was Extracted from a school Management Information System.

    1.   The data in tables shown below was Extracted from a school Management Information System.

    Table 1: **Student**

AdmNo	FirstName	LastName	Class	ExpectedFee
100	John	Kamau	4W	Ksh20,000.00
101	Andrew	Esipitar	4W	Ksh20,000.00
102	Joseph	Olerai	4E	Ksh20,000.00
103	Brian	Sawyer	4E	Ksh20,000.00
104	Walter	Mwende	4W	Ksh20,000.00
105	Miguna	Miguna	4C	Ksh20,000.00
110	Charles	Nyarangi	4C	Ksh20,000.00

Table 2: **Exam**

ExamID	AdmNo	ENG	KISW	MATH	CHEM	BIO	PHY	CRE	GEO	HIST	AGRIC	COMP	BUSINESS
1	101	56	78	58	68	66	45	78	64		80		
2	100	70	66	67	65	66			65	70		86	
3	110	44	45	34	45	43	54	67		67			69
4	105	56	54	55	58	63		70	57		74		
5	104	78	76	74	68	77	70		78	75		90	
6	102	40	65	50	70	60		78		90	89		
7	103	80	89	78	89	84	86	92	87			94	

Table 3: **Finance**

Finance		
ReceiptNo	AdmNo	FeePaid
1	100	Ksh5,560.00
2	110	Ksh20,000.00
3	102	Ksh5,500.00
4	101	Ksh3,400.00
5	103	Ksh30,000.00
6	105	Ksh10,000.00
7	104	Ksh2,000.00

(a)   Create a database named "**SCHOOL MIS**"   (1mark)

(b)   Create a one to many relationship between the three tables   (3marks)

(c)   Design Forms for the each of the three tables above   (6marks)

(d)   Use the respective forms you have just created in (iii) above to enter the data given in three tables above.   (9marks)

(e)   Create a query with a New field called TOTALMARKS that adds marks from all subjects in Exam table. The query should only display the following fields: AdmNo, FirstName, LastName, Class, ENG, KISW, MATH, CHEM, BIO, PHY, CRE, GEO, HIST, AGRIC, COMP, BUSINESS and TOTAL MARKS. Save the query as **QryTotalMarks**   (9marks)

(f)   Using QryTotalMark, Create a Report with the following properties:
- Layout**: Align Left 1**
- Orientation: **Potrait**,
- Style: **Casual**

Save the Report as **rptTotalmark**s   (5marks)

(g)   Create a query to display AdmNo, FirstName, LastName, Class, ExpectedFee, FeePaid and Fee Balance. The Feebalance should be greater or equal to Ksh 5000. Save the query as **Qry Fee Arrears**   (8marks)

(h)   Using AdmNo and FeeBalance fields, create a column chart report . Save the report as **rpt Fee Char**t.
                                                                                     (6½marks)

(i) Print:

i)   Three tables i.e. Student, Exam and Finance   (1½marks)

(ii)   Two Reports: **rptTotalmark** and **rptFeeChar**t   (1mark)