KENYA NATIONAL EXAMINATION COUNCIL
REVISION MOCK EXAMS 2016
TOP NATIONAL SCHOOLS

MOI GIRLS HIGH SCHOOL
COMPUTER STUDIES
PAPER 2

QUESTION 1

a). Type the following passage exactly as it appears in to a word processor and save is as A: DOCA

GEOGRAPHICAL INFORMATION & DATA

Geographical data is spatially reference data which can be displayed graphically as map images. That is the attitude of a location represented on a map. These data could be either quantitative (like elevation temperature) or qualitative (like land use in the location). In addition the attributes could be temporal. A lot of geographic attributes change with time of day, month, season, solar cycle and even over the ages. This information can be displayed on a map in for different forms.

(i) Point data : - This could represent the location of a city, a hospital, a police station etc

(ii) Line data: Items normally represented on maps as a line include railway line, roads, coastline. borderline, rivers etc

(iii) Polygon data: - These represent the boarders of specific regions such as seas, countries,city etc

(iv) Surface data: - This is information over a region such as country, province, district, lake,ocean, forest e.t.c

Functionally GIS should at least consist of a geographical data process subsystem, geographical data analysis subsystem and **a** geographical information use subsystem, a geographical data analysis subsystem and a geographical information use subsystem.

A few examples of GIS users are land surveyors

Planners, resources forecasters and managers, public

Protection and security officers, property developers

And investors, education and transport managers

This list is expanding day by day as GIS systems are becoming more affordable.

Hardware trends affecting GIS

The most important hardware activity that will affect GIS is cheapening or processor cost. With falling costs of the high speed microprocessors, Graphic workstations are now available for less than three thousand pounds sterling. This means that there are Graphic based computer systems being used by more and more users.(26 marks)

b). i) Search and replace the passage with word information except in all of those occurrences in bold type face.

ii) Capitalize the first character of all occurrences of the word geographical

iii) Save the passage as A: DOCB   (6 m**arks)**

c). i) Reformat the paragraph starting with 'A few examples " so that the left and rightmargins are the same as those of the paragraph above it.

ii) Save the passage as A: DOCC   (6 marks)

d). Re-order the section labeled (i), (ii), (iii) and (iv) such that the original iii becomes (i), original (iv) becomes (ii), original (ii) becomes (iii) and original (i) becomes (iv) that order and retain the formatting style   (6 marks)

e). i). Change the paper orientation to landscape

ii). Save the passage as A: DOCD   (6 marks)

f). Print DOCA, DOCB, DOCC and DOCD   (6 marks)

QUESTION 2

Munjiru is a secretary for the Entrepreneurs Club. She has been told to use a database management system (DBMS) to help the club maintain records on the club's members. Perform the following operations just like Munjiru would

a). i). Create a database table (or file) that has the following fields of data for each member last name, first name, membership number, date of registration, membership fee paid, age, telephone number and a memo field status(14 marks)

ii). Make the membership number record identifier (the primary key) (2 marks

iii). Index on membership number (2 marks)

b). Input the following data:

Last name	First name	Membership number	Date of registration	Membership fee paid	Age	Telephone	Status
Munjiru	Margarety	Yec/002	11.08.93	5000.00	45	573223	Fully Paid Founder member
Salim	Said	Yec//101	15.07.97	5000.00	50	568880	Fully paid Ordinary member
Kamau	John	Yec//007	01.01.96	2000.00	65	443311	Senior citizen Member with concessionary rates
Onyango	Victor	Yec//031	10.02.96	4000.00	37	747419	Ordinary member to pay 1000.00
Ali	Majid	Yec//055	19.10.96	3500.00	32	720122	Ordinary member to pay 1500.00
Katiku	Peter	Yec//067	15.05.97	0.00	25	717100	Ordinary Member Defaulter
Korir	Kelvin	Yec//098	05.03.98	5000.00	38	767822	Ordinary member, fully paid
Wafula	Joyce	Yec//023	23.04.95	5000.00	43	500655	Ordinary member, fully paid
Kikoto	Mary	Yec//048	09.06.96	2000.00	28	543421	Temporary member for 6 months only
vijhu	machu	Yec//074	29.11.97	1000.00	55	811015	Honorary member

c) i) Insert the fields that will accommodate Y for Yes and N for No

ii) Indicate in these new fields those membes who have paid more than sh. 4000.00 with Y otherwise N

iii) Save table as A: Club2

d. i). Create a query that contains the fields Membership Number, Last Name, Date of registration, Membership fee paid and status for all members who have paid less than sh. 4000.00 and registered after 15/4/1995 or are above 35 years of age

(8 marks)

ii. Write on the paper provided the query expression you use (2 marks)

iii. Save the query as A: clubQ (2 marks)

e. i). Excluding the status field, create a report and give it the title: ENTREPRENEURS CLUB (10 marks

ii). Save the report as A: Club R (2 marks)