THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION TECHNOLOGY – CIT2K 11M
YR I SEM I

EIT 1124: SPREADSHEET PROCEESSING

END OF SEMESTER EXAMINATIONS

SERIES: AUGUST/SEPTEMBER 2011

TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
- *Answer booklet*

This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO**
This paper consists of **FOUR** printed pages

SECTION A –Answer all questions in this section (30 MARKS)

Question 1 (Compulsory)

a) Explain the term Database   (2 marks)

b) Explain the component of standard database   (12 marks)

c) Explain any **FOUR** data types in MS-ACCESS   (8 marks)

d) Explain the following database terminologies   (8 marks)

     i)   Data item
     ii)   Field
     iii)   Record
     iv)   Database structure

SECTION B (Answer any TWO questions) – 40 MARKS

Question 2

a) Create a Database called **salary.mdb** having the following records. Save the records in a table called **salary table 1.**

b)

LAST NAME	FIRST NAME	DEPARTMENT	HOURS	RATE
Adams	Nathan	Sales	20	700
Baman	Sanday	Sales	60	800
Cohen	Larry	Executive	100	1000
Dean	Lena	Executive	30	2000
London	Eric	Sales	40	400
Lucas	John	Sales	70	1500
Long	Chuck	Sales	90	700
Newman	Robert	Executive	30	1000
Keegan	Keith	Sales	110	500

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form ca LAST NAME   FIRSTNAME

DEPARTMENT   HOURS

RATE

GROSS SALARY   NETPAY

EMPLOYEE DATABASE

ADD	DELETE	PRINT	CLOSE

c) Explain the term "FORM" as used in MS-ACCESS   (3 marks)

d) List any FIVE advantages of computerized database

Question 3

a) Explain the "Query" as used in Database management system   (3 marks)
b) Create a database called POLY.MDB having the following records   (10 marks)

CATEGORY	STORE	QUANTITY	COST
CD	Disc city	8	12.50
CD	Disk city	34	13.50
CD	Book Mart	23	50.00
BOOK	Book Mart	6	1000.00
BOOK	Book Mart	456	400.00
PAINTING	Computer City	20	100.00
PAINTING	Computer City	100	60.00
BOOK	Auction Art	34	700.00
BOOK	Auction Art	200	400.00
CD	Auction Art	300	800.00

c) Create Query files that meet the following conditions:-

(i) Have all CATEGORY CD, call it category cd.
(ii) Have all records whose COST is greater than 600, call it cost more than 600.
(iii) Have all records whose STORE is computer city and QUANTITY less than 100. Call it quantity less than 100. (10 marks)

Question 4

Question 5