

Name..... Index No.....
School..... Candidate's Sign.....
Date.....

451/2
COMPUTER STUDIES
Paper 2
PRACTICAL
July/august 2010
2 ½ hours

BORABU – MASABA NORTH DISTRICTS JOINT EVALUATION TEST – 2010
Kenya Certificate of Secondary Education (K.C.S.E)

COMPUTER STUDIES
Paper 2
PRACTICAL
2 ½ hours

INSTRUCTIONS TO CANDIDATES

- *Type your name and index number in the spaces provided*
- *Sign and write the date of examination in the spaces provided in the answer sheet.*
- *Password should not be used while saving in the diskettes/cd*
- *Answer all questions*
- *All answers must be saved in your diskette/cd*
- *Make a print of the answers sheet provided*
- *Hand all the print out and the diskette/cd*

This paper consists of 4 printed pages. Candidates should check the question paper carefully to ascertain that all the pages are printed as indicated and that no questions are missing.

1. MASABA METEROLOGICAL

STATION												
MONTHLY TEMPERATURES (°C)												
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2001	38.5	40	38	35	36	37						
2002	37.7	40	35.6	36.9	39	35						
2003	37.5	40	37.6	37	35	34						
2004	40	40.1	37.2	35.6	34.8	34.9						
2005	35.7	38	38.5	37.4	32.9	36.8						
2006	39.4	39.5	33.7	35	33.8	39.7						
2007	40.1	40	37	34	35	37						
2008	38.9	34.8	39	37	39.1	38						
2009	36.6	36	38	37.3	37.6	34						

- (a) Create a workbook to store the above data and save it as Metro (10mks)
- (b) Given that the temperature of January were 10% above the month of July to December in all the years respectively.
- i) Using absolute cell referencing, calculate the monthly temperature of July to December for 2001 to 2009. (6mks)
- ii) Format all numeric values to 2 decimal places. (2mks)
- (c) Using appropriate formula, calculate:
- i) The average year temperature for each year. (2mks)
- ii) Average monthly temperature for each month. (2mks)
- (d) Use if function to declare the temperature remark
- (i) 'Hot' if monthly average temperature is greater than 38 (3mks)
- ii) 'Moderate' if monthly average is greater or equal 36 (3mks)
- iii) Cold if monthly average is less 36 (3mks)
- (e) Use the function to count the number of months which are;
- i) Hot (1mk)
- ii) Moderate (1mk)
- iii) Cold (1mk)
- (f) Format the table as follows (2mks)
- i) Centre the titles and subtitles across the page. (3mks)
- ii) Align centre all temperatures. (2mks)
- (g) Apply borders to cells in the worksheet as follows.
- i) Double line for outline border (1mk)

- ii) Dotted line for vertical inside border (1mk)
- iii) Dashed line for horizontal inside borders (1mk)
- (h) (i) Rename the current worksheet as Metro 2 (2mks)
- (ii) Copy Metro 2 to blank sheet and rename as Metro 3 (2mks)
- I (i) insert your name and index no as a footer at the centre in each sheet (2mks)
- ii) Print all the worksheets. (3mks)

2. APZ is a tourist organization board and their database management is as follows

Tourist passport No	Country of origin	Traveling date	Period	Marital status	Booking
A520116	GERMANY	20/05/2010	3	S	CANCELLED
B700101	POLAND	20/06/2010	2	M	CONFIRMED
B700209	IRELAND	31/06/2010	1	M	NOT CONFIRMED
C101010	U.S.A	04/02/2010	2	M	CONFIRMED
D678111	BRITAIN	04/02/2010	3	M	CONFIRMED
B3114470	GERMANY	07/07/2010	4	M	CONCELLED
C473530	CANADA	03/03/2010	2	M	TRAVELLING
E111000	YEMEN	04/05/2010	1	M	TRAVELLING
D167000	FRANCE	30/06/20 10	2	M	CANCELLED

- (a) Create a database APZ and append the record to tourist table (18mks)
- (b) Create an appropriate form that may be used to enter the record 2(a) above and save form as tourist 1 (7mks)
- (c) Create query tourist 2 and extract tourist whose booking have been confirmed. (8mks)
- (d) Using tourist table ascend the tourist in their respective country of origin and save it as tourist 3 (6mks)
- (e) Create a tabular report with report title “APZ tourist organization board” using tourist 3 and save tourist 4. (6mks)
- (f) Print tourist, tourist 1, tourist 2, tourist 3 and tourist 4. (5mks)