SCHOOL BASED EXAMINATION

JULY/AUGUST 2017

451/2
COMPUTER STUDIES 1. (a)
MARKING SCHEME.

1. (a)   √ database name (**Employees**)
(1mk)

√ Table name (**dept**.)

(1mk)

√correct entry

(3mks)

(b)   (i) Criteria > 32000/= (4mks), saving

(1mk)

(ii) Criteria < 4500/= and come from computer department

(4mks)   saving

(1mk)

(iii) Criteria: Married or single

(3mks)

saving

(1mk)

(iv) Criteria: Between 25000 and 50000 (

(2mks) saving

(1mk)

(v) Criteria: name beginning with M or end with S

(2mks)   saving

(1mk)

(c) (i) √ creating a new column called new salary

(2mks)

√ Formula New salary: [Basic PAY] $*^{16}/_{100}$ + [BASIC PAY]

(4mks), saving

(1mk)

(ii) Criteria: earning > 33000/= and aged between 39 and 70

(4mks)   saving

(1mk)

(d) (i) Creation of a form using form wizard (3mks)

(ii) Creation of form in design view (2mks) calculating the total basic salary (2mks), adding current date and time on the form header (½mk) saving (½mk)

(iii) Creating a report using design view (3mks) printing (2mks)

2. The worksheet below is a sample of the IEBC registration data across the country

THE NATIONAL IEBC CENTER

VOTER REGISTRATION AS PER COUNTY 2017

COUNTY	Registered		Target Population	Non registered voters	% registered	Remarks
	Male	female				
BUNGOMA	200,000	150,000	600,000			
KIAMBU	230,000	312,000	457,000			
NAIROBI	450,230	352,252	1,320,254			
KISUMU	258,368	122,356	658,870			
MASABA	325,620	104,520	700,658			
KITUI	123,863	80,588	325,789			
EMBU	136,222	150,520	356,102			
NYERI	253,666	210,000	492,250			
Total						
Average						

a. Create a workbook to store information and save it as IEBC MAIN   (15 marks)
b. Use the formulae to compute:
    i.   None registered voters per county using relative cell reference. (4 marks)

Bungoma =D6-(B6+C6)	*½ mark*
Kiambu =D7-(B7+C7)	*½ mark*
Nairobi =D8-(B8+C8))	*½ mark*
Kisumu =D9-(B9+C9)	*½ mark*
Masaba =D10-(B10+C10)	*½ mark*
Kitui =D11-(B11+C11)	*½ mark*
Embu =D12-(B12+C12)	*½ mark*
Nyeri =D13-(B13+C13)	*½ mark*

    ii.   The percentage (%) of registered voters per county in 2 decimal places
                                                        (6marks)

*Confirm with softcopy e.g. =(B7+C7)/D7*100 n/b use of correct formula for every county and with 2 decimal places give ½ mark for each formula and 2 marks if all are in 2 decimal places*

c. Use the IF function to declare the following remarks about the % registered per county.   (6marks)
"Above expectation" above 90%
"Met Expectations" 70%- 89%
 "Below Expectations" <70 %
=IF (F6>=90,"Above expectations", IF (F6>=70,"Met Expectations", "Below Expectations"))
 Give 2marks for at least 2 correct remarks

d. Use a function to count the number of counties whose % registered is:
- Below expectations.*=COUNTIF(G3:G13, "Below Expectations")*
                                                 give 2 marks
- *Sum: =SUM(B2:B9)*   *give (1 mark)*
- *AVERAGE: =AVERAGE(B2:B9)*   *give (1 mark)*

e. Format the workbook as follows
    i.   Bold the title and center it across the page in a merged cell font size "14", Times New Roman
    ii.   Apply border to the cell in the worksheet as follows

-Double line for the outer border**,**	*2marks*
-Dotted lines for the horizontal inside border	*2marks*
-Dashed lines for the vertical inside border.	*2marks*

 f. Rename the current worksheet as "VOTERS"   *2marks*
g. Copy the entire VOTERS worksheet to a blank sheet and rename the new sheet as NATIONAL REGISTER.   *(2marks)*
h. Insert your name, date and index number as a header in each sheet if *available give 3marks*
i. Print VOTER and NATIONAL REGISTER   *give 2 marks*