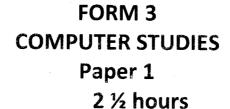
Name	Index Number//
	Candidates signature
451/1	Date
PAPER 1	
TIME 2 ½ Hours	

# TARGETER K.C.S.E TRACKER 2016 SECONDARY EXAMS





#### INSTRUCTIONS TO CANDIDATES

This paper consists of **TWO** sections; **A** and **B**. Answer **ALL** questions in section **A**. Answer question **16** and any other **THREE** questions from section **B**. All answers should be written in the spaces provided on the question paper. All answers must be written in English.

## For Official Use Only

Section	Question	Score
A	1 - 15	***************************************
~**	16	100
	• 17	
В	18	
	19	
normalis daineministe enrealistativacional consequence	20	
	TOTAL SCORE	

This paper consists of 10 printed pages Candidates should check the question paper to ensure that all the pages are printed as indicated and no questions are missing.

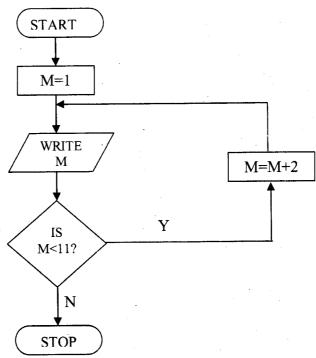
# **SECTION A (40 Marks)**

1.	Explain why an intranet is a more secure way to share files within an organization the internet.	(2 marks)
2.	Distinguish between a formula and a function as used in spreadsheets.	(2 marks)
2	D'CC	
3.	Differentiate between hardware portability and software portability.	(2 marks).
4.	State two benefits and two disadvantages that the employer will get by allowing do the office work through telecommuting.	his worker to (4 marks)
5.	Give other names for the following.	
	(a) Microcomputer	
	(b) Hardcopy	
	(c) Primary Memory	
6.	<ul><li>(a) Explain the difference between the function of the following keys</li><li>i) Delete and Backspace.</li></ul>	(4 marks)
	ii) Home and end keys	
7.	. Name and explain the function of the keyboard keys represented by the following	ng symbols. (3 marks)
	· · · · · · · · · · · · · · · · · · ·	

8.	(a) What is a computer Bus?	(1 mark)
(b)	State two differences between address bus and data bus.	
9.	State two possible causes of loss of programs and data in a computer. State a surprecaution for each cause you have stated.	(2 marks)
	Explain the following as used in spreadsheet.  Absolute cell referencing	(2 marks)

(b) Relative cell referencing

11. Use the flowchart below to answer the questions that follow:-



(i) Dry run the flowchart and list down the outputs.

(2 marks)

(ii) Interpret the results in (i) above.	(1 mark)
12. What does the term Volatile mean in Computer Studies?	(2 marks)
13. (a) Define a word-processor giving an example.	(2 marks)
15. (a) Define a word process 8	
(b) Explain the term word wrap as used in word-processing.	(1 mark)
14. Differentiate between Primary memory and Secondary memory.	(2 marks)
	•••••
and the state of the second sections in full	(3 marks)
<ul><li>15. Write the following abbreviations in full.</li><li>(i) EBCDIC</li></ul>	,
(ii) OMR	
(iii) PROM	

## SECTION B (60 marks)

Answer question 16 and any other three questions from this section.

16. The roots of the quadratic equation  $ax^2 + bx + c$  are given by the formula

$$x=-\underline{b\pm\sqrt{b^2-4ac}}$$
 where  $a \ne 0$  and if  $b^2$ -4ac is negative then we have Complex Roots

(a) Draw a flowchart for the formula.

(6 marks)

(b) Write a pseudo code for the flowchart above (5 marks)

(c) Distinguish between the following.

(i) Compiler and Interpreter

(4 marks)

### (ii) Assembler and Assembly language

17. (b) Study the spreadsheet below and answer the questions that follow:-

	A	В	С
1	NAIROBI STATIONERS		
2	Book Title	Price per Book	No. of Books Bought
3	Data Processing	300	45
4	Teach Yourself Computers	400	30
5	The Internet	550	7
6	Computer Studies Book 1	450	26
7	Lotus 123	350	8
8	Word-Perfect for Windows	250	6
9			
10			

(a)	Write	down	the	data	item	stored	in	cell.	$\mathbf{R}'$	7
(a)	441110	uown	uic	uata	HOIM	Storeu	111	CEII	D	1

(1 mark)

- (b) Write down the formula that can be used to determine the total sales for the book titled "Data Processing" (1 mark)
- (c) Write down the function that can be used to determine the total number of books sold. (1 marks)
- (d) Write down the function that can be used to determine the price of the most costly book. (2 marks)
- (c) State the purpose of the following in database design.

(3 marks)

- i) Default value
- ii) Input mask
- iii) Field size

(a)	contro	of software is on in	crease. State tw	o measures tha	at the govern	ment can pu	(2 marks)
						·	,
(e)		in the meaning of the ing system. Hard disk capacity		siderations wh	ich are made	e before insta	alling and (3 marks)
	ii)	Processor specifica	ition				
					•		
	iii)	Monitor resolution					
(f)	State to	wo negative impact of	of social media:	in our society	today.		(2 marks)
18.	(a) Ex (i)	plain the following a Freeware	ispects in comp	uter technolog	у.		(4 marks)
				•			
	(ii)	Firmware					
	(iii)	Defragmentation					
	(iv)	Computer Hacker					
	(17)	Computer Hacker					
(b)	Differ each c	entiate between safe ase	ty precautions a	nd practices in	a computer	lab giving a	n example in (4 marks)

(c) State three things that should be done in case of a fire outbreak in a computer lab	o. (3 marks)
	± 1.00 miles
(d) State two things that must be done before shutting down a computer.	(2 marks)
(e) Give another name for: i) Enter key	(2 marks)
ii) Batch processing	
19. (a) Define the following terms.  (i) Power backup	(3 marks)
(ii) Anti glare screen	
(iii) Burglar proofing	
(b) State four typing guidelines that should be observed when learning typing.	(4 marks)
and Alleg	(3 marks)
<ul><li>(c) Explain briefly the following computer processing files.</li><li>(i) Transaction file</li></ul>	/
(ii) Report file	

(iii)	Reference file				
d) Explai	in briefly the following electronic On-line processing	data proc	essing mode	es	(3 marks
(ii)	Batch processing				
(iii)	Real time processing				
(e) Disting	guish between sequential file orga	anisation a	and random	file organisa	tion. (2 marks)
	form the following binary arithm 101101 100110	etic. (b)	10101		(2 marks)
-	Berlinker transformer og green green green i state og green green green green green green green green green gr		And Colored Street Test A season and Colored Street		
	t the following binary number to $11010_2$	octal give	en that the le	eft most digi	t is a sign bit (2 marks)
					• .

b) Convert 19.88 to binary notation

(3 marks)

c) Convert 450<sub>10</sub> to octal.

(2 marks)

d) Convert A46H to binary.	(3 marks)
e) Using twos complement, subtract 13 <sub>10</sub> from 17 <sub>10</sub>	(3 marks)
f) State any two coding schemes that you know.	(2 marks)