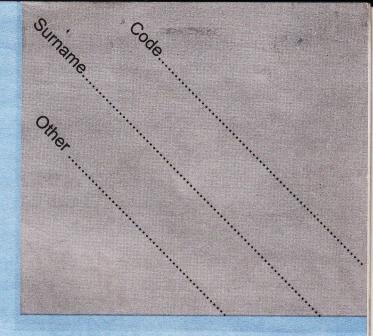


RWANDA NATIONAL EXAMINATIONS COUNCIL P.O.BOX 3817 KIGALI Tél./Fax: 00250 / 586871



ANSWER BOOKLET ORDINARY LEVEL

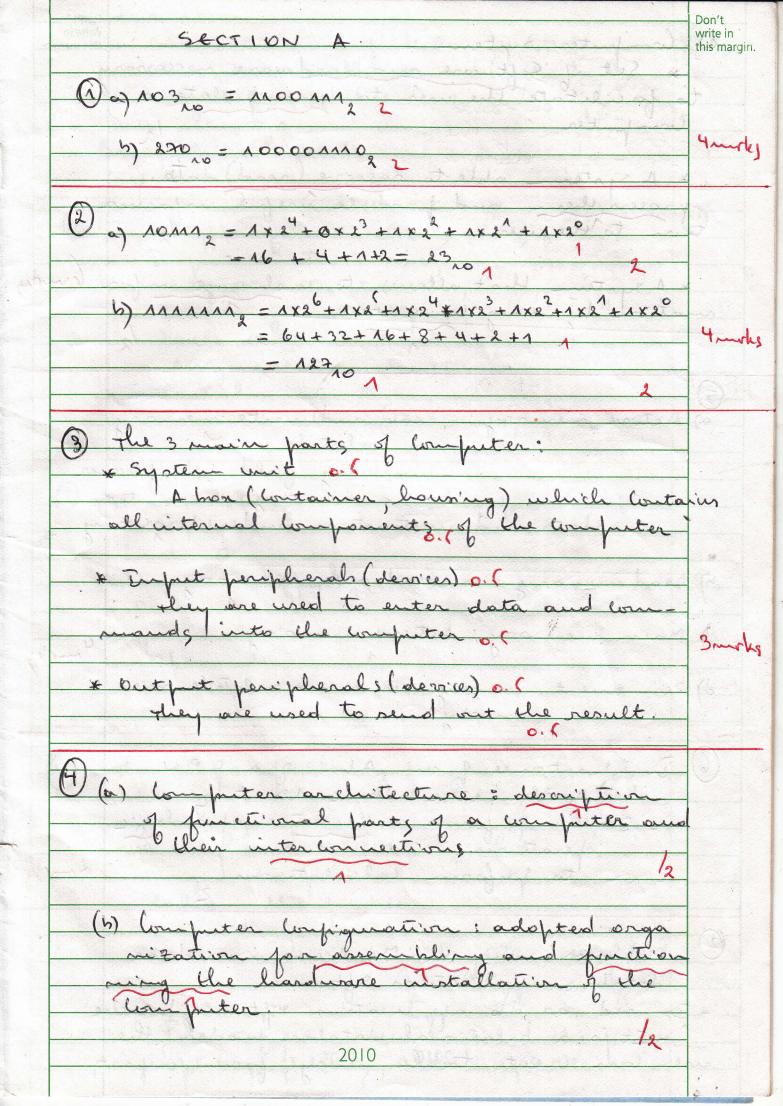
S	ul	bi	e	ct	 . (ن). Ņ	n	P	R	١.	1	ς.	R		5	e	(e	N	e	6					8	

MPF

Year 2010

FOR EXAMINER'S USE ONLY

QUESTIONS	1	2	3	4	5	6	7	8	9	10	Total
Marks			and the same		*	- /- 					
						9					
QUESTIONS	11	12	13	14	15	16	17	18	19	20	
Marks											
QUESTIONS	21	22	23	24	25	26	27	28	29	30	The d
Marks										•	



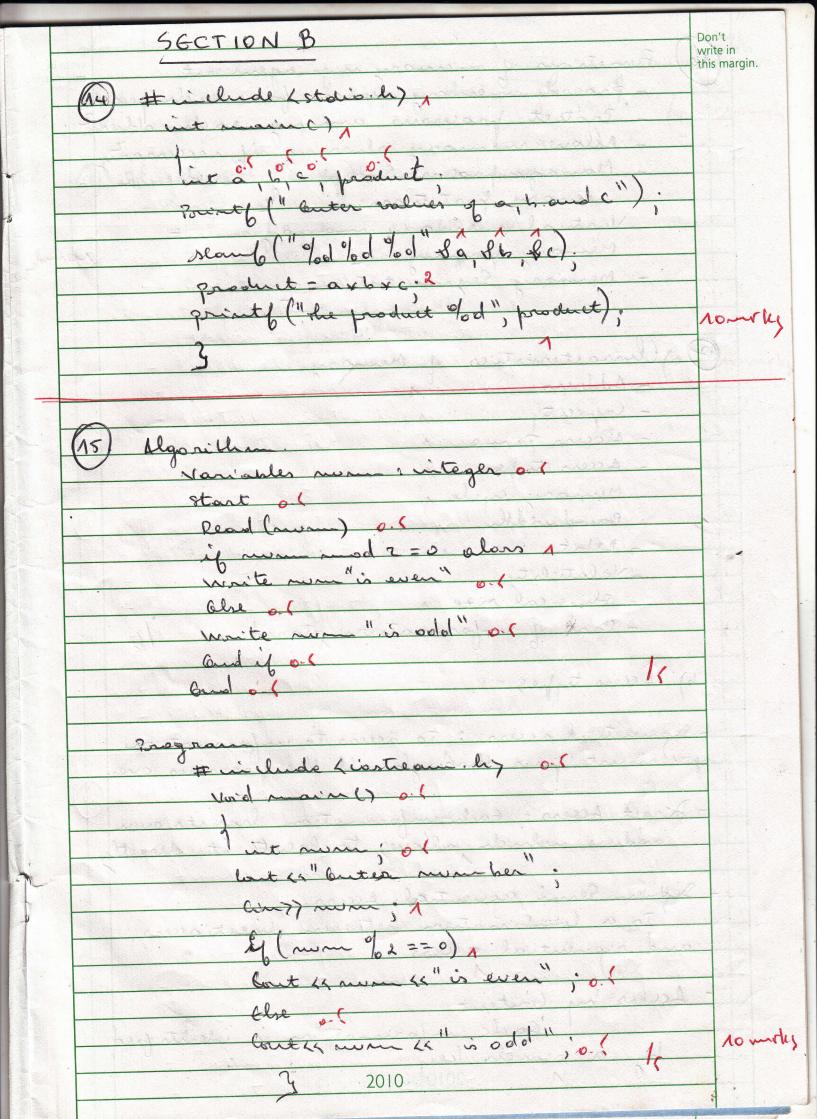
this margin. Set of Software and Hardware neccessory to facilitate the user to manifulate on Computer Computer. process them and produce inseful wifered time to the user. mation by using lamputers 1/2 a) Active memory: - read and waite working field of the processor menony which stores data and wists b) bead memory : is read andy memory memory: Active memory 4mrly emany: is a no matile on The Anthonetic bogic Unit ?

The Anthonetic bogic Unit ?

The Anthonetic and le of to perform calculations 2 mrkg Conflain Jorley the My Access is used as database application software are model the user can create talle query

and macros	Don't
user con relation ship between tables	write in this margin.
vien lan store in thout redundancy	
- Shaving data digled between users	
- Data recurity	C. F.
- Compilation er Centralization adminis	Spts
, tration	
	1
(3) Four types of instructions.	
- Turpet in-structions,	
output unstructions,	
- Processing unstructions,	
- De claration vistoretions;	,
- Arrignment instructions	4 morly
- Control instructions	
- Conditional mistro ett ens;	0.
(9) the elements of numerical enpressions:	
- variouses	
- Constants	
- Numeric outfait	
The state of the s	
- Marana	
- Brackets	5 morks
1	1
	,
(a) The steles of solving broarance is loss	
(10) The steps of solving programming pro	
- Clarifying programming meeds	a ar
- Analyse the problem	
- Derign the problem	,
Codran the Jonophen	
Test the program 1	↓ , , , , , , , , , , , , , , , , , , ,
- Do current and maintain the progr	an.
1 //	
A	* * * * *
- Endentify and understand the prophl	e
- Aplit probledle into Subpoblem	

- Denigning the problem	Don't write in this margin.
Cooling Compiling and delangging problem - Execution of the program - Testing the program.	Saurks
The logical operators used:	
OR (II) 1 NOT (!) 1	3rkg
(12) The structure of cor c++	
- Function prototypes I declaration function - The main function	
Bracket;) A beginning statements wistwete statements wistwete	0
quetin definition	5 moly
63) bromples of errors	
logical errors	
Semantic errors	5 md
link enong	
	-
THE RESERVE TO THE PARTY OF THE	
The state of the s	encontact of \$1.00 to the second of \$1.00 to
-2010	



write in this margin. in) Access types ass through - Direct Access: Each information shick allows Semi sequential Access represential access - Access by Content information is identified 2010

	las time	for acc	esminy	any	infor	write in
time s	he time	Bry	is the	mil	U.	
1000	0	Ø		1		14 10
			<u> </u>			
2) the	elements	of lower	manal u	mit		
- 77	o man	water		2		
	inner (sy	stem il	och)	7		
	Instruction	a dece	der	2		
	Bus want			2		
-	The etain	negist	an .	2		
	Accurren	rister		7		
	A CCUALLE	lator		2		صر
, s		, , , , , , , , , , , , , , , , , , ,	No.			8.2.
# B # W						
	la a a			· · · · · ·		
N., and						
					• .	
	America		•			
	<u>*3</u>					
				1/		*
						
× a						
					12,	9.5
, w.						-
u u				2		
				The same of the sa	0.	
6.		- wel				
				i na		
2		· ·				
		. 1	V = 2 2 2	<u> </u>		
				<u> </u>		
			8	ş.		
-		20	10	2		

SECTION C this margin. (19) X aics of cood program * Jumplementation is free of errors of the programmer must resent to method with as testing to establish the correctness of a program i've program error free x the program is well documented It is important that lumpriter program be well documented, documentation enisty to assist in the understanding or use not only to those changed with maintaining programmer themestones! Details of franticular programs or franticular fired without mitable do amentation. * the program is maintainable tainance and modification to keep space in changing requirements and implementate technologies; Maintainability and modifiability are essential Characteristics of real programs.

A problem is ability to be read on timed in including to be read on twood is important pre requisite to its maintain alility and modificability * the program must respect the syntax that need by the program * Header Jole name for its frecition 2010

& Variable declaration 2 the variable, to be men write in this margin. he Cornected with errors * Comprehensible: must elanderstood be a) Algorith Vaniable i fact : integer o. FOR N=1 To fact (fact * i 1 write " factorial is fact " and of 2010

