# INFORMATION & COMMUNICATION TECHNOLOGY (ICT) 02<sup>nd</sup> Term Test 2016 Grade 10 Time: 03 Hours

26.07.2016

Name:		Class No:
	Answer Part A or Part B	03/10
	(Each part holds equal marks: Part A – 100 Marks, Part B – 1	LOO Marks)
<u> </u>	PART - A	
	Answer all the questions on this paper itself	
uestion # 1 hat are the fo	llowing acronyms / abbreviations / terms stands for?	(1 x 10 = 10 Marks
	*	±
1. ATM		
2. CRT		
3. LED		
4. LMS	ollowing table.	ippil in the blanks of the h
5. WBT	sestable data	rafat
6. MRI	e government of att Lanka-	na to Istrog daw Islando
	Bronaŭ-la	ideamola, forma enole
7. EEG	Y-M-SA- Y-M-SA- H-SA- H-SA- H-SA-	y/augindy nel/s morai
8. ASCII		
9. EBCDIC	47 parameter and a strain december 1899 to	
10. HTTP		
uestion # 2	vs that the computer and the loterner are used for education	sw rostenib gvit ginik iti
	nks of the following table.	(1 x 4 = 04 Marks)
Term	Meaning	
G2C		
G2G		
G2B		
G2E		

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Write four different characteristics of quality	information	$(1 \times 4 = 04 \text{ Marks})$
1	Mindow 2) and two docu	Cycom Goac, Said Solar
2	A THE MENTAL OF A STATE OF THE	
3		
	V	
4		(02 Marks)
i) What is e – Government?		(02 Marks)
2		
		nus yriwollo i svil ana tarri
		***************************************
Question # 3		
i)Fill in the blanks of the following table.		(1 x 3 = 03 Marks)
Term	Web Address	
Official web portal of the government of Sr	i Lanka	
Government Information Centre	) - H- VI - H-	
Information Communication Technology Ag	gency	
(ii) Write two advantages of WBT.	κ.	/(1 x 2 = 02 Mark
2		
(iii) Write five different ways that the compute	er and the internet are used f	or education in the classr
(and (a still a b or f)	aldergawelle	• (1 x 5 = 05 Mark
2		Jerro Meaning
		389
3		
4		860

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#### Question #4

(i) Use the following ASCII code table for answering the following questions

Decimal	Character
65	Α
66	В
67	С
68	D
69	E
70	F
71	G
72	Н
73	l l
74	J
75	K
76	L
77	M

Decimal	Character
78	N
79	0
80	Р
81	Q
82	R
83	S
84	Т
85	U
86	V
87	W
88	X
<sup>2</sup> 89	Υ
90	Z

(2 X 4 = 08 Marks)

oit ASCII value	in binary				Word
1001010	1000101	1010011	1010101	1010011	
1010000	1010101	1010010	1010011	1000101	and to smith
1001101	1000001	1000100	1000001	1001101	Conference of
1001101	1001111	1000100	1000101	1001101	Microsoft. On

ine capacity of the only	and the same of th	 as a power of two.	(02 Mark
	**************************************	 •	
»/,,-uraqaandaandaanaandaandaanaan		 	
		 ***************************************	
*			

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	curately and efficiently perfo		$(1 \times 2 = 02 \text{ Marks})$
1			
2			
Write three different names of Elect			(1 x 2 = 02 Marks
2			
2 4 1			
) Fill in the blanks of the following tal	ble.		(1 x 4 = 04 Marks
Spreadsheet Package	Number of rows	Number	of columns
Microsoft Excel 2010	06	M	
LibreOffice Calc 4.1			
181000			00.000
Fig. 1. State of the state of t			
Microsoft Office Word 2010	ro more notonos		
120 223 02	10 2008 00 00008	10000	
Microsoft Office Word 2010  Microsoft Office Excel 2010	10 2001 003000E	TOGOG	es es es es es es es es es es es es es e
120 223 02	10 2008 0020005 40 2008 0070005 d ni ii bni ii 8 8 8 8 8 b bred	OLDED UNI's external	na iost sa na iost sa na iost sa
120 223 02	10 2008 0050008- 40 0090 0040008- 40 100 Find it in b	OODD1	AL, LORA SE
120 223 02	3000,000	onl's external	tori ea tori de tori de tori de canacity of Al
120 223 02	3000,000 -20004,000 -2	ODDES .	TOTAL SECTION OF ALL
Microsoft Office Excel 2010	10 2008	DODOL STANDARD STANDA	A To whosper set to
Microsoft Office Excel 2010	10 2008 00,0008 80 000 00 80008 d ni di bni 3 87 8 8 32 b bna i	MADE EXTERNAL	tori de tori de la constanta d
Microsoft Office Excel 2010	d ni di bni i e i e i e i e i e i e i e i e i e i	MATERIAL CONTROL OF THE CONTROL OF T	A To years and to

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#### Question # 6

Fill in the blanks of the following table.

 $(1 \times 10 = 10 \text{ Marks})$ 

Logic Gate	Cir	rcuit Symbol		Truth T	able	29/1
OR			- 0 1 0 0 8			
AND						
NOT		Gelds dun Question	priwollet entre		o left 9	neemos e leames Monta
NOR					2	0
NAND		,		-1-1	i	

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( Be s	estion	99 7
L/M	C-5 - 1 - 7 - 8	92 //
Acres of Street		

								_			
(i)	Design the	e logic	circuit	for Bo	olean	function;	F =	A+	B.0	C+	B.C

(04 Marks)

(ii) Someone has constructed the following incomplete truth table for the boolean function;  $F = (\overline{A} + B).C$  Complete it using relevant truth values. (06 Marks)

Α	В	С	Ā	$\overline{A} + B$	$F = (\overline{A} + B).C$
0	0	0	t		
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			

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Page	22	e
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#### Question #8

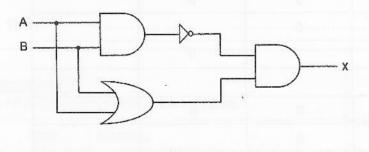
(i) Find a Boolean function for the following truth table. Let A, B & C are the inputs and X is the output.

Α	В	С	Х
0	0	0	1
0	1	0	0
0	0	1	0
1	0	0	0
0	· 1	1	0
1	1	0	0
1	0	1	0
1	1	1	1

(05 Marks)

(ii) Construct the Boolean function for the following logic circuit.

(05 Marks)



Let A, B are the inputs and X is the output.

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 $(1 \times 5 = 05 \text{ Marks})$ 

#### Question #9

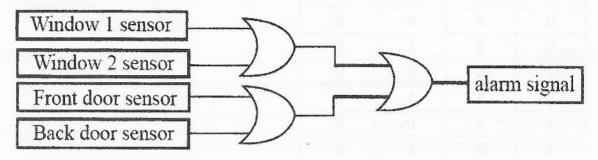
(i) The following diagram shows a home alarm system.

The house consists of two windows (Window 1, Window 2) and two doors (Front Door, Back Door)

Status: open = 1 closed = 0 warning state = 1 no warning state = 0

Someone has drawn the following incomplete truth table for the given scenario.

Complete it using correct truth values.



Window 1	Window 2	Front Door	Back Door	Warning State
0	0	0	0	0
0	0	0		
0	0		0	
0	0			
0		0	0	
0		0		
0			0	
0	30.23	stationing logica	d to not not sout a	a discillarità
	0	0	0	
	0	0	A	
	0		0	
	0			
		0	0	
		0		
			0	

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(ii) Someone has drawn the following incomplete truth table.	
Complete it using correct truth values.	$(1 \times 5 = 05 \text{ Marks})$

X	Υ	P = NOT(X AND Y)	Q = X OR Y	R = P AND Q
0	0		0	0
0				
	0	1		
	- 12	0	1	0

-					-
Out	esti	nn	丝	1	n
A 201	C36	14.71 6	77	- dia	w

(i)	What is the technica	I equipment used in	each computer	generation?
-----	----------------------	---------------------	---------------	-------------

 $(1 \times 3 = 03 \text{ Marks})$ 

Computer generation	Technical equipment used
First generation	
Second generation	
Third generation	

(ii) What are the shortcut keys for performing the following tasks in Microsoft Word  $(1 \times 3 = 03)$  Marks

Task	Shortcut key	
Creating a new document		
Opening a document		
Saving a document		

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Term	Definition		*		
	0				
Data					
Information	Footbaseing sessence dass in be		upe Institution e and institution	E S DORREIL Ant ar dum/w Phagma 3	
			nells	ntag fexag	
System		9 "			
575te					
			12.7 (20) (2000)		
	WEAR STREET			dear l	
QR Code			emuoob wen i		