

Answer Sheet

Information and Communication Technology

Grade 10 - 2nd Term

Paper 1

1)	4	11)	2	21)	4	31)	4
2)	4	12)	4	22)	2	32)	1
3)	2	13)	2	23)	2	33)	4
4)	1	14)	2	24)	2	34)	4
5)	3	15)	4	25)	1	35)	1
6)	4	16)	2	26)	3	36)	3
7)	2	17)	1	27)	3	37)	3
8)	3	18)	3	28)	1	38)	4
9)	4	19)	3	29)	4	39)	3
10)	3	20)	2	30)	1	40)	3

Paper 2

01) (i) Official Web Portal of the government of Sri Lanka, Government Information Center, ICTA (Information Communication Technology Agency)

(ii) A - Process B -Information

(iii)

Hard Copy(A)	Soft Copy(B)
Dot Matrix Printers, Plotter, Photocopy Machine, Thermal Printer	Multi Media, Hard Disk, Computer Screen, RAM, Digital Camera

(iv)

Item		Units	
A	Printers	F	Resolution
B	Monitors	G	RPM
C	Hard Disk	H	Giga Byte
D	Processor	I	DPI
E	RAM	J	Clock speed

A	I
B	F
C	G
D	J
E	H

(v) $11110_2 = 30$
 $= 30 - 20$
 $= 5 = 101_2 \quad 5 \text{ or } 101_2$

(vi) Number of7 bits..... is used in ASCII while 8 Bits..... is used in EBCDIC to represent a character.

(vii) coloring, font styling, bold, italic, underline, superscript, sub script, stick through, Text highlight, All caps, small caps etc.

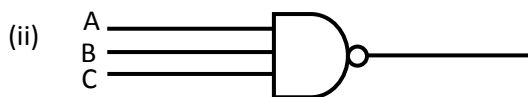
(viii) 2097152KB

(ix) a. HDMI b. PS/2 c. USB d. VGA

(x)

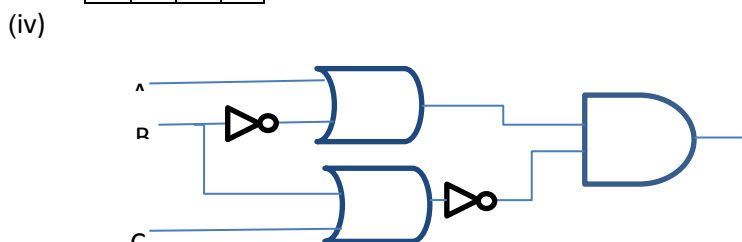
Measuring unit
Bit, Nibble, Byte, Kilo Byte,
Mega Byte, Giga Byte, Tera
Byte, Peta Byte,

02. (i) Decimal Number System, Octal Number System, Hexa Decimal Number System



(iii)

A	B	C	F
0	0	1	
0	0	1	
0	1	0	
0	1	1	1
1	0	0	
1	0	1	1
1	1	0	
1	1	0	



03. (i) Advantages – Minimum Network Failure, Reliable

Disadvantages – Much Cost, Difficult to control

(ii) Switch / Hub / Twisted Pair / Modem / Router / WiFi Adapter etc

(iii) Guided :- Twisted Pair / Co-axial / Optic Fibre

Un-guided :- Radion wave / Micro Wave / InfraRed /

(iv) Simplex – Data is transmitted from the sender to the receiver only. Getting printouts, watching television and listening to the radio are common examples

Full Duplex – Data is transmitted to both sides at the same time is called full duplex. Tele phone conversation is an example for full duplex mode communication.

04

- i. RAM
- ii. Magnetic tape, Hard Disk , Floppy Disk
- iii. Register Memory
- iv. The memory that can be directly accessed by the Central processing unit is called the Primary memory. Ex: RAM, ROM, Cache

The memory which stores data and information permanently is the secondary memory. Ex: Hard Disk, CD, DVD, BlueRay

05.

- I. Operating system , Utility Software , Language Translator
- II. FOSS - Ubuntu , Android , Hanthana Linux
Commercial - Windows xp, windows vista , window 7, windows 8
- III. Command Line Interface, Graphical User Interface
- IV. Assembler , Partitioning, Compiler , Formatting, Anti-Virus , Backup software

06.

- I. a). In the Class room , Education Anywhere any time,Serves as a teaching aid for the teacher , learning management
b). Computerized axial tomography machine, MRI, ECG, Cardiac Screening machine, EEG, Blood sugar testing machine, Blood pressure measuring machine.
c). Addiction, Building unsuitable friends through social media, the computer could become infected by a virus by a virus due to improper use of internet, negative effects of psychology of a person by visiting websites, publishing of edited photographs and videos of individuals affecting their personal lives.
- II. a) After scanning the QR code by a smart phone and connecting to the internet further information can be obtained from the website of the relevant item. By the barcode we can get some relevant details of the item
b). 24 hour service, never get tired, efficiency, accuracy, hygiene.

07)

- I. A - shape
B - word art
C - Clip Art
D – bullets
- II. To show the Spelling errors.
- III. We can send invitations, letters and print certificates to several people.
Can save time.
- IV. Ctrl + S = Save
Ctrl + V = Paste

Ctrl + X = Cut

Ctrl + C = Copy

Ctrl + N = Get a new document

Ctrl + O = Open a document