

Marking Scheme
Information & Communication Technology 1/11
Grade 10
3rd Term – 2023

Paper 1

1	4	21	4
2	All	22	1
3	1	23	4
4	2	24	1
5	3	25	3
6	4	26	4
7	2	27	1
8	4	28	2 (b)
9	2	29	4
10	4	30	4
11	4	31	3
12	1	32	3
13	All	33	2
14	¼	34	2
15	2	35	All
16	4	36	4
17	2	37	2
18	2	38	1
19	3	39	1
20	all	40	2

Paper11

(1)		20 Marks	
i	$567_{16} - 0101\ 0110\ 0111 - 010\ 101\ 100\ 111 - 2\ 5\ 4\ 7 - 2547_{8//}$	2 Marks	
ii	Data Communication Media	Twisted pair, Co-axial Cable and Fiber Optics	2 Marks (.5*4)
	Network Topology	Star, Bus, Ring and Tree	
	Data Transmission Modes	Simplex, Half-Duplex and Full Duplex	
	Computer Network Types	Local Area Network(LAN), Metropolitan Area Network(MAN) and Wide Area Network(WAN)	
iii	<ul style="list-style-type: none"> • Magnetic media devices - Hard Disk, Floppy Disk, Magnetic Tape • Central Processing Unit - Arithmetic and Logic Unit(ALU), Control Unit(CU), Register Memory • Computer Memory - Primary memory / Main Memory, Secondary Storage • Optical media devices - Compact Disk(CD), Digital Versatile Disk(DVD) ,Blu-ray 	2 Marks (.5*4)	
iv	<ul style="list-style-type: none"> • Optical Character Recognition- OCR <ul style="list-style-type: none"> ○ Documents with many pages are scanned in a very short time and computerized. Then edits the computerized document • Optical Mark Recognition – OMR 	2 Marks	

	<ul style="list-style-type: none"> An input method used to identify markers. The markers at the predetermined locations are read and the data is entered into the computer that the markers are there. 																					
v	<table border="1"> <tr> <td>A</td> <td>A'</td> </tr> <tr> <td>0</td> <td>1</td> </tr> <tr> <td>1</td> <td>0</td> </tr> </table>			A	A'	0	1	1	0	2 Marks												
A	A'																					
0	1																					
1	0																					
vi	i. $=2*3^2$ $=18$		ii. $=(2*3)^2$ $= 36$	2 Marks (1 Marks) (1 Marks)																		
vii	A- Hardware B- System Software C- Application Software D- User			2 Marks (.5*4)																		
viii	<ul style="list-style-type: none"> Number of sentences to contain - (6-9) Font Size (32 point) Correcting Spelling and Grammar Including pictures, graphs or tables and charts (maximum two). Applying colors (considering the color variations) Motion pictures and videos (only one per slide) Targeting objectives 			2 Marks (.5*4)																		
ix	<table border="1"> <tr> <td>A</td> <td>3</td> </tr> <tr> <td>B</td> <td>4</td> </tr> <tr> <td>C</td> <td>1</td> </tr> <tr> <td>D</td> <td>2</td> </tr> </table>			A	3	B	4	C	1	D	2	2 Marks (.5*4)										
A	3																					
B	4																					
C	1																					
D	2																					
x	1). Indentation from the Left 2). Indentation from the Right 3). Indentation First Line 4). Hanging Indentation * (Give marks for any answer)			2 Marks (.5*4)																		
(2)				10 Marks																		
i	<table border="1"> <tr> <td>Pointing Devices</td> <td>Imaging and Video Input Devices</td> <td>Scanners</td> </tr> <tr> <td>Mouse</td> <td>Digital Camera</td> <td>Flatbed Scanner</td> </tr> <tr> <td>Touch Screen</td> <td>Web cam</td> <td>Bar Code Reader</td> </tr> <tr> <td>Joy Stick</td> <td>CCTV</td> <td>Magnetic Ink Character-MICR</td> </tr> <tr> <td>Light pen</td> <td></td> <td>Optical Character Recognition-OCR</td> </tr> <tr> <td></td> <td></td> <td>Optical Mark Recognition-OMR</td> </tr> </table>			Pointing Devices	Imaging and Video Input Devices	Scanners	Mouse	Digital Camera	Flatbed Scanner	Touch Screen	Web cam	Bar Code Reader	Joy Stick	CCTV	Magnetic Ink Character-MICR	Light pen		Optical Character Recognition-OCR			Optical Mark Recognition-OMR	3 Marks
Pointing Devices	Imaging and Video Input Devices	Scanners																				
Mouse	Digital Camera	Flatbed Scanner																				
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Joy Stick	CCTV	Magnetic Ink Character-MICR																				
Light pen		Optical Character Recognition-OCR																				
		Optical Mark Recognition-OMR																				

				Automated Teller Machine-ATM	
ii		Soft Copy		Hard Copy	3 Marks
		Monitor		Printer	
		<ul style="list-style-type: none"> • Cathode Ray Tube (CRT) Monitor • Liquid Crystal Display(LCD) • Light Emitting Diode(LED) 		<ul style="list-style-type: none"> • Dot Matrix • Line Printer • Laser Printer • Thermal Printer • Bubble Printer/Ink Jet Printer 	
		Multimedia Projector		Plotter	
lii					1 Marks
		Magnetic media devices	Optical media devices	Solid state devices	
		Hard disk	Compact Disk(CD)	USB flash drive	1 Marks
		Floppy disk	Digital Versatile Disk(DVD)	Memory card	
		Magnetic tape	Blu-ray		
iv		Advantages:- a. Parallel Port b. Video Port c. Serial Port d. Network Port (RJ 45 Port)			1 Marks (.5*2) 1 Marks (.5*2)
(3)					10 Marks
i	A- Application Software	B – Operating Software	C - Hardware		2 Marks
ii	Multi user operating system				2 Marks
iii	<ul style="list-style-type: none"> • To store things in the computer separately • To install more than one operating system on the computer • To complete the requirements of the operating system 				4 Marks
iv	Steps to defragmentation of the hard disk.				2 Marks
(4)					10 Marks
i	Nibble				2 Marks
ii	1024 byte				2 Marks
iii	Magnetic tape				2 Marks
iv	Register Memory				2 Marks
v	compact disk (CD)				2 Marks
(5)					10 Marks
i	=B3+C3+D3 , = sum (B3:C3)				2 Marks
ii	Select cell E3 and place the cursor on the + sign in its fill handle and drag it down				2 Marks
iii	=sum(F3:H3)				2 Marks
iv	By copying cell I 3 and selecting the relevant range and pasting				2 Marks
v	= min (B3:B11)				1 Marks
vi	= max (F3:F11)				1 Marks

