

# Marking schme

## Information & Communication Technology 1/11

Grade 11 -  
2<sup>nd</sup> Term -2023

### Part 1

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

### Part 11

(1)		20 Marks																																																																																	
i	DEF <sub>16</sub> - 1101 / 1110 / 1111 - 110 / 111 / 101 / 111 - 6 7 5 7 - 6757 <sub>8//</sub>	2 Marks																																																																																	
ii	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">P</td><td>HDMI</td></tr> <tr><td>Q</td><td>USB</td></tr> <tr><td>R</td><td>VGA</td></tr> <tr><td>S</td><td>RJ 45</td></tr> </table>	P	HDMI	Q	USB	R	VGA	S	RJ 45	2 Marks (.5*4)																																																																									
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iii	QR code ISBN	2 Marks (.1*2)																																																																																	
iv	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>X</th><th>Y</th><th>Z</th><th>X'</th><th>Y'</th><th>X' . Y</th><th>X' . Y'</th><th>X' . Y + X' . Y'</th><th>X' . Y + X' . Y' + Z</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td><td>1</td><td>1</td><td>0</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>0</td><td>0</td><td>1</td><td>1</td><td>1</td><td>0</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>0</td><td>1</td><td>0</td><td>1</td><td>0</td><td>1</td><td>0</td><td>1</td><td>1</td></tr> <tr><td>0</td><td>1</td><td>1</td><td>1</td><td>0</td><td>1</td><td>0</td><td>1</td><td>1</td></tr> <tr><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>0</td><td>1</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td></tr> <tr><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></tr> </tbody> </table>	X	Y	Z	X'	Y'	X' . Y	X' . Y'	X' . Y + X' . Y'	X' . Y + X' . Y' + Z	0	0	0	1	1	0	1	1	1	0	0	1	1	1	0	1	1	1	0	1	0	1	0	1	0	1	1	0	1	1	1	0	1	0	1	1	1	0	0	0	1	0	0	0	0	1	0	1	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	2 Marks
X	Y	Z	X'	Y'	X' . Y	X' . Y'	X' . Y + X' . Y'	X' . Y + X' . Y' + Z																																																																											
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1	1	0	0	0	0	0	0	0																																																																											
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v	<p>A – application software  B – operating system  C – other system software  D – hardware</p>	<p>2 Marks  (.5*4)</p>								
vi	36 and 144	<p>2 Marks  (1*2)</p>								
vii	<ul style="list-style-type: none"> <li>The user does not have to install a word processing software on the computer</li> <li>The user does not have to allocate space to install software in the hard disk</li> <li>To save the document, internet itself provides facilities for space.</li> <li>The user can open or edit the document from any computer which has internet facility</li> </ul>	<p>2 Marks  (1*2)</p>								
viii	<table border="1"> <tr> <td>3</td> <td>Implementation of the new system to a selected part of the old system</td> </tr> <tr> <td>4</td> <td>Step by step installation of the new system in the selected parts of old system.</td> </tr> <tr> <td>1</td> <td>Removing the existing system and replacing it with the new computerized system</td> </tr> <tr> <td>2</td> <td>Installing and running the new system while the old system is running</td> </tr> </table>	3	Implementation of the new system to a selected part of the old system	4	Step by step installation of the new system in the selected parts of old system.	1	Removing the existing system and replacing it with the new computerized system	2	Installing and running the new system while the old system is running	<p>2 Marks  (.5*4)</p>
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ix	<table border="1"> <tr> <td>1</td> <td>protocol</td> </tr> <tr> <td>2</td> <td>service</td> </tr> <tr> <td>3</td> <td>Domain name</td> </tr> <tr> <td>4</td> <td>the place where the resources</td> </tr> </table>	1	protocol	2	service	3	Domain name	4	the place where the resources	<p>2 Marks  (.5*4)</p>
1	protocol									
2	service									
3	Domain name									
4	the place where the resources									
x	<p>1). 2  2). print  3). Even  4). End if</p>	<p>2 Marks  (.5*4)</p>								
(2)		10 Marks								
i	<p>1. G2C - Citizen  2. G2G - government  3. G2B - bussiness  4. G2E - employee  5. Or any other E government services</p>	<p>2 Marks  (.5*4)</p>								
ii	<p>1. There are many ways the computer and the internet are used for education in the classroom  2. Education - any where anytime.  3. Serves as a teaching aid for the teacher  4. Learning Management  5. Higher education for everyone</p>	2 Marks								
iii	<p>1. Technical issues  2. Internet connectivity problems  3. Difficulties of payments  4. Frauds  5. No live participation when doing online activities</p>	2 Marks								

iv	<p>a :-</p> <ol style="list-style-type: none"> <li>1. CAT – Computerized Axial Tomography machine</li> <li>2. MRI – Magnetic Resonance Imagine Machine</li> <li>3. Cardiac Screening Machine</li> <li>4. EEG – Electro – Encephalography</li> <li>5. Blood sugar testing machine</li> <li>6. Blood Pressure Testing Machine</li> </ol> <p>b :-</p> <ol style="list-style-type: none"> <li>1. Emergency Telemedicine.</li> <li>2. Home health medicine</li> <li>3. Telemedicine Consultation</li> <li>4. Telesurgery (Remote Surgery)</li> <li>5. Medical Tele training</li> </ol>	<p>2 Marks (.5*4)</p> <p>2 Marks (.5*4)</p>
(3)		ලකුණු 10
i	<p>a. ‘C’</p> <p>b. DVD - E Pen drive- F</p>	<p>1 Mark</p> <p>2 Marks</p>
ii	<p>a. Fragmentation</p> <p>b. Defragmentation the hard disk</p>	<p>1 Mark</p> <p>1 Mark</p>
iii	<p>a. By formatting</p> <p>b. Hard disk need to be partitioned and formatted</p>	<p>1 Mark</p> <p>2 Marks</p>
iv	<ul style="list-style-type: none"> <li>• Process Management</li> <li>• memory Management</li> <li>• device Management</li> <li>• file Management</li> <li>• security Management</li> <li>• Network Management</li> </ul>	2 Marks
(4) අ		10 Marks
i	= B4 * C4	1 Mark
ii	= D4 * 10 / 100	2 Marks
iii	= D4 - E4	1 Mark
iv	= sum (F4:F8)	2 Marks
v	= sum (B4:B8)	2 Marks
ආ i	<ol style="list-style-type: none"> <li>1. Number of lines (6-9)</li> <li>2. Font-size (32 font size)</li> <li>3. Correct use of grammar and language</li> <li>4. Inserting images, drawings, tables or graphs ( maximum 2)</li> <li>5. Use of colours</li> <li>6. Animation and videos</li> <li>7. Pay attention on target group</li> </ol>	<p>1 Mark (.5*2)</p>
ii	slide sorter view)	1 Mark
(5)		10 Marks
i	Student Information Table - <b>CourseNo</b> / Payment Table - <b>StudentNo</b>	2 Marks
ii	Couse Table – Course No / Student Information Table - <b>StudentNo</b> / Payment Table – Payno	ලකුණු 1
iii	Student Information Table - A001 / PARTHANA / VEDINIGAMA / E002 /	2 Marks
iv	Couse Table - T005/Tamil/ 06 months, Student Information Table - A006 / Wayishakya / Kantale Payment Table - P007 / A006 / 2023.08.10 / 8000	ලකුණු 3
v	Name - text , payment date - date &time , money - currency , Course no - text	2 Marks

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6)		10 Marks
☞ i	<ul style="list-style-type: none"> <li>• Can save time and money</li> </ul>	1 Mark
ii	<ul style="list-style-type: none"> <li>• Since the data is manually processed, there is more room for error.</li> <li>• Processing of data is less efficient.</li> <li>• Requires a large space for data storage.</li> <li>• Data is open to a lot of threats.</li> </ul>	1 Mark
iii	<ul style="list-style-type: none"> <li>• Unit testing</li> <li>• Integration testing</li> <li>• System testing</li> <li>• Acceptance testing</li> </ul>	1.5 Mark
iv	<ul style="list-style-type: none"> <li>• The iterative incremental model <ul style="list-style-type: none"> <li>○ System developers have the advantage of using the knowledge gained in the earlier iterations.</li> <li>○ The system gets developed more and more, incrementally until the last stage</li> <li>○ At each incremental stage, the system becomes larger with more and more components being completed/developed.</li> </ul> </li> </ul> <p>(if Other model is written as the answer , there should be reasonable point to justify it.)</p>	.5 Marks 1 Mark
v	<ul style="list-style-type: none"> <li>• It is Easy to work with local and foreign clients ( Online chatting / Video conferencing )</li> <li>• It is easy to do management and administrative work (like employee Salary, rent of institute , Accounting will be reduced.)</li> </ul>	1 Mark
☞		
i	E mail Account	1 mark
ii	a. <a href="mailto:sasikala@gmail.com">sasikala@gmail.com</a> b. <a href="mailto:bpdasun@yahoo.com">bpdasun@yahoo.com</a> c. Bcc	1 mark 1 mark 1 mark
(7)		10 Marks
☞	No < 25	2 Marks
☞	5 4 3 2 1	2 Marks
☞	3 6 9	2 Marks
I	Start X = 0 Repeat X=X+3 Display x Until x>10 End	4 Marks