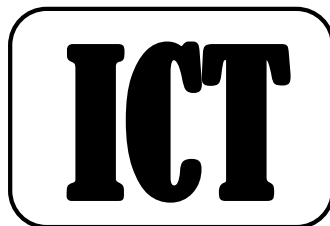


O/L ICT Marking Scheme

2016 – December

Zonal Education Office, Jaffna

Model Paper



Part – I

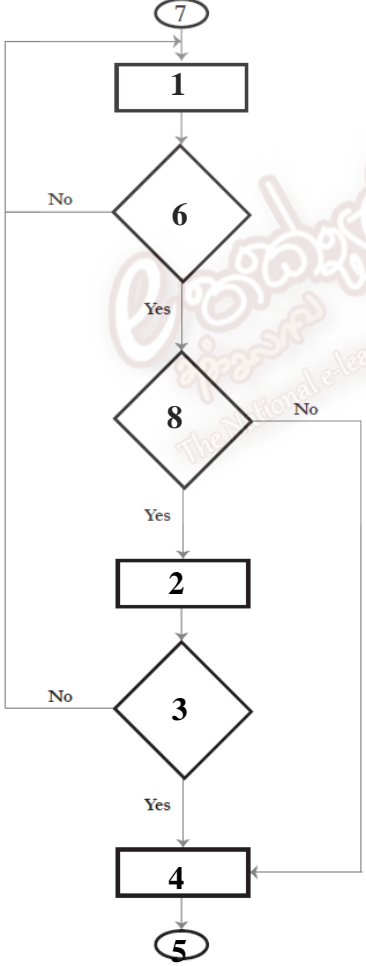
(1)	3	(11)	4	(21)	2	(31)	3
(2)	2	(12)	3	(22)	3	(32)	2
(3)	1	(13)	2	(23)	4	(33)	4
(4)	3	(14)	4	(24)	4	(34)	3
(5)	1	(15)	3	(25)	4	(35)	4
(6)	4	(16)	1	(26)	4	(36)	3
(7)	2	(17)	4	(27)	4	(37)	1
(8)	3	(18)	3	(28)	4	(38)	4
(9)	1	(19)	2	(29)	3	(39)	4
(10)	3	(20)	1	(30)	3	(40)	4

Part – II

Question No.	Suggested Answers	Marks
1.		
(i)	$6C_{16}$ $\begin{array}{r} 16 \overline{)108} \\ \underline{6-12} \\ 6-C \end{array}$	2 marks (1+1)
(ii)	Star, bus, tree, mesh, ring	2 marks (1x2)
(iii)	A – br B – p C – a D – hl	2 marks (0.5x4)
(iv)	A – Text tool: create/edit text layers. B – Pencil tool: hard edge painting using a brush. C – Eraser tool: Erase to background or transparency using a brush. D – Clone tool: selectively copy from an image or pattern using a brush.	2 marks (0.5x4)
(v)	A – Joomla, B – 123.5.4.10, C – DNS server, D – Mozilla thunderbird	2 marks (0.5x4)
(vi)	(a) True (b) True (c) False (d) True	2 marks (0.5x4)

(vii)	A – 10, B – Num, C – Num , D – Sum	2 marks (0.5x4)															
(viii)	- Can check the availability of medical expert prior. - No time waste by waiting for medical expert/consultant.	2 marks (1x2)															
(ix)	24/7 Service, Cost effective, File attachment facility such as image, video, etc., Quick delivery, Notifications whether sent or not, Can send multiple copies simultaneously.	2 marks (1x2)															
(x)	(i) <table border="1" style="margin-left: 20px;"> <tr> <td>I</td> <td>O</td> <td>X</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>0</td> <td>1</td> <td>1</td> </tr> <tr> <td>1</td> <td>0</td> <td>1</td> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> </tr> </table> (ii) OR gate	I	O	X	0	0	0	0	1	1	1	0	1	1	1	1	2 marks (1+1)
I	O	X															
0	0	0															
0	1	1															
1	0	1															
1	1	1															
2.																	
(i)	= SUM(B5:F5)	2.5 marks															
(ii)	= MAX(B5:F5)	2.5 marks															
(iii)	= F7-F10	2.5 marks															
(iv)	Bar chart, Column chart, Line chart, etc.	2.5 marks															
3.																	
(i)	Primary key is a field or a set of fields that is used to uniquely identify records of a table in a relation database. Student table – AdmissionNumber House table - HouseID	3 marks (2+1)															
(ii)	Foreign key is a field or a set of fields of a table that values are the same in another table's primary key values in a relation database. Student table – HouseID	3 marks (2+1)															

(iii)	One-to-many relationship	1 marks
(iv)	AdmissionNumber – Text/String StudentName – Text/String HouseId – Text/String	3 marks (1x3)
4.		
(i)	Back pain, Wrist pain, Shoulder pain, CTS, DVS, Eyestrain, Finger pain, Mental depression.	3 marks (1x3)
(ii)	<ul style="list-style-type: none"> - Keeping eyes 24-30 cm away from computer monitor. - Using ergonomically designed equipment and devices such as table, chair, mouse, and keyboard, etc. - Using ‘foot rest’ under foot. - Sitting on chair in correct posture. - Keeping suitable height between chair and table. - Taking rest frequently. - Doing simple stretches and exercises frequently. - Keeping proper light in the room. - Changing of Focal length of eyes by viewing various points. 	3 marks (1x3)
(iii)	Telemedicine is the use of telecommunication and information technologies in order to provide clinical health care at a distance .	2 marks or 0
(iv)	<ul style="list-style-type: none"> - Different legal territory - Cannot take testing on patients directly - Necessary of prior Internet connection 	2 marks (1x2)
5.		
(i)	<ul style="list-style-type: none"> (a) Coding (b) System maintenance (c) System testing (d) System analysis (e) System design (f) Problem definition / System study 	3 marks (6x0.5)

(ii)	Legal feasibility, Operational feasibility, Technical feasibility, Economic feasibility, Socio-cultural feasibility, Schedule feasibility.	2 marks (1x2)
(iii)	User Acceptance testing, Unit testing, Integrated testing, etc.	2 marks (1x2)
(iv)	Domain name – ugc.ac.lk, Protocol – http, Service – www	3 marks (1x3)
6.		
(i)	 <pre> graph TD Start((7)) --> Node1[1] Node1 --> Node6{6} Node6 -- No --> Node3{3} Node6 -- Yes --> Node8{8} Node8 -- No --> Node4[4] Node8 -- Yes --> Node2[2] Node2 --> Node3 Node3 -- No --> Node1 Node3 -- Yes --> Node4 Node4 --> End((5)) </pre>	7 marks (1x7)

(ii)	<p>Begin</p> <p>Read the name of the animals</p> <p>If eat only plants Then</p> <p style="padding-left: 40px;">Print “Herbivore”</p> <p>Else</p> <p style="padding-left: 40px;">Print “Carnivore”</p> <p>End If</p> <p>End</p>	3 marks
7.		
(i)	<p>(a) B2C</p> <p>(b) வலக்கடப்பிடம்</p> <p>(c) IP முகவரி</p> <p>(d) Kompozer</p> <p>(e) நிலைத்த வலைக்கடப்பிடம்</p> <p>(f) Audacity</p>	3 marks (1x3)
(ii)	<p>1 – title</p> <p>2 - h1</p> <p>3 – ul</p> <p>4 – img</p> <p>5 - br</p> <p>6 – caption</p> <p>7 – a</p>	7 marks (1x7)

Marks Distribution:

Part I – 1 x 40 = 40 marks

Part II – 10x2 + 4x10 = 60 marks
