anticatio agret e-corus or avenificação internito ograficies internetis, setudo, discondinato fluido internaforme province bilavarian from popularian visconte firmanational organica e-corus estados estados estados ograticas international actuales discondination fluido internaticas discontentes actuales provincianos fluidos internavios de ogra-actual estados formationes Western Provindos de ogra-actual estados discontentes de ogravios amenimento actuales glavoras actuales con provinciados de ogra-actual estados de ogravios actuales estados de ogra-actual Visa en francia-

බස්නාහිර පළාත් අධාාපන දෙපාර්තමේන්තුව மேல் மாகாணக் கல்வித் திணைக்களம் Department of Education - Western Province

වර්ෂ අවසාන ඇගයීම ஆண்டிறுதி மதிப்பீடு Year End Evaluation

- 2016

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පිළිතුරු පතුය Marking Scheme

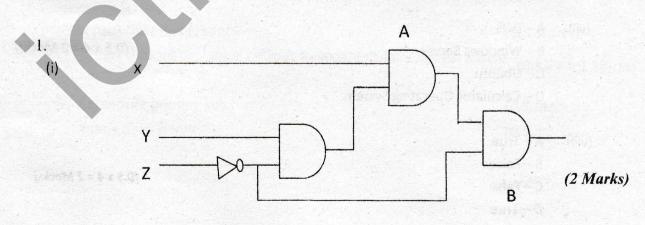
ලේණිය தரம் Grade **11** විෂයය uncib Subject

Information and Communication Technology පතුය வினரத்தாள் I, II Paper

Paper I

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

Paper II



(ii)

(2 Marks)

Α	B	(A+B)	(A.B)	(A+B) (A.B)
0	0	0	0	0
0	1	1	0	0
1	0	1	0	0
1,	1.	1	We have I	1.

0.5

0.5 mark each correct row

0.5

 $(0.5 \times 2 + 0.5 \times 2 = 2 \text{ Marks})$

(iii) Input Device – Flat bed Scanner, Key board
Output Device – Multimedia Projector, Laser Printer

(no marks if correct answer is not given)

0.5

(iv)

- A. Half Duplex
- B. Simplex
- C. Full Duplex
- D. Half Duplex

 $(0.5 \times 4 = 2 Marks)$

(v)

දශමය	ද්වීමය	අෂ්ටමය	ෂඩ් දශමය
174	101011102	<u>256</u> 8	AE ₁₆
<u>157</u>	1001110112	4738	9D ₁₆

 $(0.5 \times 4 = 2 Marks)$

(vi) $(A.B) + \overline{B}$

(2 Marks)

- (vii) A-DOS
 - B Windows Server

 $(0.5 \times 4 = 2 Marks)$

- C Ubuntu
- D Calculator Operating System
- (viii) A-True
 - B-False
 - C-False

 $(0.5 \times 4 = 2 Marks)$

D-True

(ix)

1	R	
2	P	
3	S	
4	Q	

 $(0.5 \times 4 = 2 Marks)$

(X)

1 Var
2 Array
3 7

Integer

 $(0.5 \times 4 = 2 Marks)$

2.

i. =\$B4-\$B4*B\$10

ii. Click E4----Click copy Icon-----select E5 to E6----- Click paste Icon

iii. =SUM(E14:E16)

iv. =MAX(E17:G17)

v. Column chart or Bar chart

2 Marks

2 Marks

2 Marks

2 Marks

244

2 Marks

3.

 $(0.5 \times 2 = 1 Marks)$

- i. Publisher Table Pub Id, Book Table Book Id
- ii. (a) Publisher Table, Book Table, Book_Publisher Table (1.5 x 3 = 3 1/2 Marks)

(b) Book Table

B104 Lowen Thathubindak Anuradha Ariyarathne 3500 Rs 230

Publisher table

P005 Dayawansa Jayakodi 955-555-128-2

Book_Publisher Table

P005 Dayawansa Jayakodi 955-555-128-2

 $(1 \times 3 = 3 Marks)$

iii.

(a) Data Redundancy

(0.5 Marks)

(b) Difficult to search, difficult to update(any correct answe

 $(0.5 \times 2 = 1 Marks)$

iv. Composite primary key,

(0.5 Marks)

Year + Book Name

(0.5 marks)

i. physical Security

Uninterrupted Power Supply - UPS

Hardware firewalls

Locked doors

CCTV

Surge protector

(2 Marks)

Logical Security

Passwords

Hardware firewalls

Backups

 $(0.5 \times 2 = 1 Marks)$

ii.

Citing - mention the rightful owner and his information.

Quoting - the use of inverted commas ("...") to identify a selected or borrowed section. Referencing - the listing of resources from which the information was collected. This is usually done at the end of an essay or article.

iii.

- (a) Electronic products have become non working after reaching the end of their useful life are known as e waste.

 (1 Mark)
- (b) Mercury, Arsenic, Barium, Beryllium, Cadmium, Chromium, Dioxins (2 Mark)
- (c) Reduce usage Reduce unnecessary purchase by maintaining the existing electronic devices

Reuse - Sell or donate old but working electronic devices without discarding Recycle - Directing irreparable devices to an institute which recycle them

(1 Mark)

iv.

(a) Digital Bridge - Digital bridge is forming connections among people avoiding the digital divide. (1 Mark)

(b)

- Increase the Digital Literacy among citizens
- Supply of computers or Organizing the purchase of computers at easy concessionary rates
- Equal opportunities to dispel other financial difficulties
- Participation of intermediaries such as people's associations and both public and private sector sponsorship and assistance to make digital bridge success.
- Establishing of ICT infrastructure for rural areas.
- Make facilities to increase English knowledge among people.

(2 Marks)

CONTRACT:

ii. State the function of prototyping in the first phase that used to gather user requirement. Prototyping

A model or a prototype of the proposed system to be implemented is developed and demonstrated to the staff and the users for feedback and comments such as display of screen shots, records, samples etc.

(1 Marks)

iii.

දිය ඇලි:-	පුනර්කරණ වෘද්ධි
A,C,G	B,D,E,F

1/2 mark for each

(4 Marks)

iv.

Developing systems to suit new user requirements

Issues that surfaced with the use of the system which were not identified during system development.

Adopting new, technology into the new system to improve efficiency

(2 Marks)

6.

(a)

- 1. Dynamic
- 2. Open source
- 3. www.nic.lk
- 4. Static

(4 Marks)

(b)

- hl align="center"
- 0 br
- 0 hr color
- - center
- 6 p align="justify"
- 6 ul type="circle"
- 0 ul
- 6 th colspan="2"
- O a href
- 1 u

nement 12 state 731

(5Mmarks)

ICT Grada 41 Masterman en 15.

(1Marks) (Limbia) 7. 1(a) ii. State the function of prototyping in the first phase that used to gather user requirement start, () make base on self-to advioloky and islam A Via Raudheel fol areas and box those on testemanomab N=1No Is N < =2000T yes Get AdmissionNumber Get Income yes is Income < = 250000 allowance = "Mahapola" V No allowance = "Bursary" is Income <= 500000 , No allowance=No allowance" Display AdmissionNumber, allowance N=N+1(6 Marks) stop (b) program printNumbers; integer var x:integer; for begin downto (4 Marks) for x := 10 downto 1 do writeln writeln(x); readln(): end. 6 **ICT Grade 11 Answers**

File -----save as -----save type -----select encoding type as Unicode-----save

(c)