OL/2015/8	80-E-I,II ஜில்லி (மழுப் பதிப்புரிமையுடையது / All Rights Reserved]
	முல் கேடில் கால் கால் கால் கால் கால் கால் கால் கா
ලිනායි Depa යු ල ලිනායි	மகப் பரீட்சைத் திணைக்களமடுலங்கைப் பரீட்சைத் திணைக்களம் இலங்கைப் பரீட்சைத் திணைக்களம் rrment of Examinations, Sri Larka Der இரைங்கை Eramifeiens திரதிகைகைக்காற்டி of Exa கைப் பரீட்சைத் திணைக்களமடுலங்கைப் Departingentice Examinations நின் திரையாக் களம் இலங்கைப் பரீட்சைத் திணைக்களம்
	අධායන පොදු සහතික පතු (සාමානා පෙළ) විභාගය, 2015 දෙසැම්බර්
	கல்விப் பொதுத் தராதரப் பத்திர (சாதாரண தர)ப் பரீட்சை, 2015 டிசெம்பர்
	General Certificate of Education (Ord. Level) Examination, December 2015
	තාරතුරු හා සන්නිවේදන තාක්ෂණය I, II ලැය තුනයි
11	கவல் தொடர்பாடல் தொழினுட்பவியல் I, II formation & Communication Technology I, II
	Information & Communication Technology I
Note :	
(ii) In	nswer all questions. e each of the questions 1 to 40, pick one of the alternatives (1), (2), (3), (4) which you consider correct or most appropriate.
(iii) M	(ark a cross (×) on the number corresponding to your choice in the answer sheet provided. (urther instructions are given on the back of the answer sheet. Follow them carefully.)
	entral Processing Unit (CPU) of a computer consists of which of the following?
	ithmetic and Logic Unit (ALU), Control Unit (CU), display unit ithmetic and Logic Unit (ALU), Control Unit (CU), input/output devices
	ithmetic and Logic Unit (ALU), Control Unit (CU), memory registers
(4) Ar	ithmetic and Logic Unit (ALU), Control Unit (CU), secondary storage
2. Which Interne	of the following is not a potential benefit of a computer network which is connected to the at?
(2) Re (3) Sh	cking up files to a file server in another network connected to the Internet duced risk of viruses and malware aring resources in the network e of the web
	ler a logic circuit with three inputs P , Q , R and one output F . The following is observed in
• if a • if a	any single input is 1, then output F is 0, irrespective of what the remaining inputs are. all inputs are 0, then the output F is 1. of the following is the most likely logic gate configuration for the circuit?
Р	P
(1) Q R	F (2) Q F F
(3) <i>P</i> <i>Q</i> <i>R</i>	$ \begin{array}{c} \hline \\ \hline $
three	alify in an examination, candidates have to pass one compulsory subject S_1 and one of the optional subjects S_2 , S_3 and S_4 . Which of the following Boolean expressions correctly represents
(1) S ₁	cenario?AND $(S_2 \text{ AND } S_3 \text{ AND } S_4)$ OR $(S_2 \text{ AND } S_3 \text{ AND } S_4)$ (2) $S_1 \text{ AND } (S_2 \text{ OR } S_3 \text{ OR } S_4)$ (4) $S_1 \text{ OR } (S_2 \text{ OR } S_3 \text{ OR } S_4)$
5. Which (1) 11	of the following octal numbers is equivalent to decimal 79? 7_8 (2) 1017_8 (3) 711_8 (4) 7110_8
6. Which (1) Bi	n of the following formats are used in computers to store data? nary (2) Decimal (3) Hexa-decimal (4) Octal
7. Which (1) 55	a of the following decimal numbers is equivalent to binary number 110111 ₂ ? (2) 63 (3) 110 (4) 118
	. [see page two

- 8. Which of the following represents the ascending order of the four numbers 100011112, 1708, 4668710, 2F16?
 - (1) 170_8 , 10001111_2 , $2F_{16}$, 46687_{10} (2) 10001111_2 , 46687_{10} , 170_8 , $2F_{16}$
 - (3) $2F_{16}$, 170_8 , 10001111_2 , 46687_{10} (4) 46687_{10} , 10001111_2 , 170_8 , $2F_{16}$

9. Which of the file/files given in Table 1 could be stored in a USB storage device having a total capacity of 4GB so that a least amount of unused space is left on the device?

Tat	ole 1
File name	Size
A.doc	300 MB
B.jpg	740 MB
C.mp4	3 GB

(1) A.doc and B.jpg only

(2) B. jpg and C. mp4 only (4) All of them

(3) C.mp4 only

10. A key function of an Operating System (OS) software is (1) checking the spellings in a presentation.

(2) counting words in a document.

- (3) managing hardware resources in the computer system.
- (4) sending and receiving e-mail.

11. The following labelled activities from A to H are included in the system development life cycle.

- A System development 5
- B Feasibility study 2
- C System implementation₇
- D System maintenance g
- E Problem definition ! F - System analysis 2
- G System design +
- H Testing 5

(1)

The correct order that the activities should be carried out is

(1) A, E, H, B, F, G, C and D. (2) C, B, G, F, A, D, E and H.

(3) E, B, F,	G, A, H, C and D.	(4) G	, F, B, 1	A, E, C,	D and H.

12. Consider following statements.

- A To access the internet from a home, an internet service provider (ISP) is needed.
- B Every server computer on the internet should have a unique address.

C - Any file can be attached to an e-mail if it does not exceed the maximum file size that is allowed to be attached to an e-mail.

Which of the above statements are correct?

(1) A and B only (2) A and C only (3) B and C only (4) All A, B and C

13. Consider the following file name extensions. A - odt B - docx

C - doc D - rtf

Which of the above are valid for files created using word processing software?

(1) A and B only (2) B and C only (3) C and D only (4) All A, B, C and D

14. Sentence A is formatted as sentence B by using word processing software. Sentence A: Many people believe that Abacus is the foundation of the present computer.

60

(2)

Sentence B: Many people believe that Abacus is the foundation of-the present computer. Which of the following icons are used to format sentence A as B?

(1)	B	I	(2)	U	I		(3)	U	B	(4)	B	A-	
						-							

15. Which of the following icons in word processing software can be used to search for text in a document?

T

(3)

â

(4)

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16.	B: Animations	ving sentences relat itions are the visual are visual effects a rdings can be record	movements pplied to inc	as one slide o dividual items	changes to anot on a slide.	her.	
	Which of the abov	ve sentences are cor (2) A and C o	rect?			ARC	•
	Questions 17 and				Sec. and and	A, D, C	
	What is the correc		ŧ.				
	largest number in t	the cell range A1:A	.4?	ere to erepte		A5 + (*	
		(2) = $max(A1:A)$			1	A B C 20 67	
		(4) =sum(A1:A			2	12 23	
18.	What is the formul of entries in cell ra	a to be written in	cell B5 to	display the m		45 54	
	(1) = count(A1:B4)		4)		4	21 34	
	(3) =min(A1:B4)				5		
19.	The formula = 2^{5}	+16 is entered into a	a cell in a si	preadsheet W	hat value will	he displayed in th	
	(1) 26	(2) 32	(3)	42	(4) .48	oe displayed in th	le cell
20.	Consider the follow	ving HTML stateme	nts:				
	<dl></dl>			,			
	<dt> Coffe</dt>						
	<dd> Hot <dt> Milk</dt></dd>	Drink			4		
		Drink					
	The output of the a (1)	above HTML code (2)	segment wo			(4)	
	Coffee	· · · · · · ·		(3)		(4)	
	Hot Drink	Coffee Hot Dr	rink	• Coffee • Hot Drin		Coffee Hot Drink	
		Milk		o Milk '		Milk	
	Milk	IVIIIK		O IVIIIR	0	IVIIIA	
	Milk Cold Drink	Cold E	Drink	o Cold Dri		Cold Drink	· .
21.		Cold E		o Cold Dri			• .
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. Con orde		e following ass	signment s	statements	in a program	n segment	which a	re executed ir	the given
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			1	C-II	na databasa '	The tobles	chow da	ta about book	cs available
Que	estions 2	to 27 are ba	ased on th	tollowi	ng database.	The lables	SHOW Ud	lla about book	to available
for	sale in	a bookshop ar	nd the boo	ok publisn	iers.				-
B	Book_ID	Book_Na	ime	Quantity	Unit_Price		Book_ID	Publisher_ID	
	B001	Exploring Moor	1	5	250		B001	P003	
	B002	Wonders of the	World	20	200		B002	P002	
F	B003	Art of Magic		50	150		B003	P002	
	B004	Red Rackham's	Treasure	20	300		B004	P001	
-		Bo	ook Table				Book_Pu	ublisher Table	
			Publisher	ID Dub	lisher_Name	Publ_Pho	nel	· ,	
			PO01		msons	5566778			
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