

[see page two

- 2 -

7. Which of the following logic circuits represents the given truth table?

	Which of th	- 10110 /1115 10	gie encuits repi	esents the grien de			
	A B	С			A[
	0 0	1	(1)	BC	(2) B		o — <i>C</i>
	0 1	. 1		A	A T	_ .	
	1 0	1	(3)	$B \longrightarrow $	-C (4) A B	\rightarrow	ю — <i>С</i>
	1 1	0					
8.				to the Internet and	World Wide W	eb (WWW	V)?
			ce of the WWW W are the same				
			e of the Interne				
	(4) There is	no relationship	p between the l	Internet and the WV	VW.		
9.	Consider the	following stat	tements related	to a table created u	ising Word Proce	esing Sof	tware
	A - It is	s possible to f	ormat the text	in a table.	ising word rided	asing SOI	twale.
	B – Wor	ds in a colum	in of a table ca	n be arranged in al			
		nbers in a colu e above are co		can be added toget	her.		
				(3) B and C o	nlv. (4) All	A. B. and	C
	()	; (-)					
10.		e followings is	not a common	feature in both wor	rd processing and	l electroni	ic presentation
	software? (1) Find and	replace		(2) Mail merge	n na stan in de la companya. Na seu stan in de la companya		e
		line space		(4) Spelling ch			
	Which of the	following :-	a fasting and				
11.	(1) Sorting I	b tonowing is	a reature not p	rovided by a databa		application	n?
1.	(1) Sorting I	Data	a reature not p	(2) Updating D	Data	application	n? •
	 (1) Sorting I (3) Generatin 	Data ng Reports	- 	(2) Updating D(4) Generating	Oata Charts	application	n?
	(1) Sorting I(3) Generatin	Data ng Reports	- 	(2) Updating D	Oata Charts	application	n? ,
	(1) Sorting I(3) Generatin	Data ng Reports	- 	(2) Updating D(4) Generating	Oata Charts	application	n?
	 Sorting I Generatin Questions 12 	Data ng Reports	- 	(2) Updating D(4) Generatingowing database table	Data Charts S. Rate Table		n?
	 Sorting I Generatin Questions 12 Taxi Table 	Data ng Reports 2 to 14 are bas	sed on the follo	(2) Updating D(4) Generatingowing database table	Data Charts es.	Rate 44	n?
	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No 	Data ng Reports to 14 are bas Rate_Type	sed on the follo Driver_Name	(2) Updating D(4) Generatingowing database tableDriver_City	Data Charts es. Rate Table Rate_Type	Rate	n?
	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 	Data ng Reports to 14 are bas Rate_Type Car	sed on the follo Driver_Name Perera	 (2) Updating D (4) Generating owing database table Driver_City Colombo 	Data Charts S. Rate Table Rate_Type Car	Rate 44	n?
	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 	Data ag Reports to 14 are bas Rate_Type Car 3W	sed on the follo Driver_Name Perera Raju	 (2) Updating D (4) Generating owing database table Driver_City Colombo Colombo 	Data Charts S. Rate Table Rate_Type Car 3W	Rate 44 38	n?
•	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 	Data ag Reports 2 to 14 are bas Rate_Type Car 3W Van 3W	sed on the follo Driver_Name Perera Raju Dias Perera	 (2) Updating D (4) Generating owing database table Driver_City Colombo Colombo Matara 	Data Charts S. Rate Table Rate_Type Car 3W Van	Rate 44 38 40	•
•	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 Which of the 	Data ag Reports to 14 are bas Rate_Type Car 3W Van 3W van 3W to following is	sed on the follo Driver_Name Perera Raju Dias Perera the most suital	 (2) Updating D (4) Generating owing database table Driver_City Colombo Colombo Matara Kandy	Data Charts Rate Table Rate_Type Car 3W Van ted as the prime	Rate 44 38 40 ary key	•
•	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 Which of the Table? (1) Taxi_No 	Data ag Reports 2 to 14 are bas Rate_Type Car 3W Van 3W van 3W (2)	sed on the follo Driver_Name Perera Raju Dias Perera the most suital Rate_Type	 (2) Updating D (4) Generating owing database table Driver_City Colombo Colombo Matara Kandy ble field to be select (3) Driver_Name 	Data Charts Rate Table Rate_Type Car 3W Van cted as the primine (4) Driv	Rate443840aary keyer_City	•
•	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 F16782 FZ1276 Which of the Table? (1) Taxi_No Which of the Which of the Part of the Part	Data ng Reports 2 to 14 are bas Rate_Type Car 3W Van 3W e following is (2) c following fiel	sed on the follo Driver_Name Perera Raju Dias Perera the most suital Rate_Type ds is an examp	 (2) Updating D (4) Generating owing database table Driver_City Colombo Colombo Matara Kandy ble field to be seleared	Data Charts Rate Table Rate_Type Car 3W Van cted as the primine (4) Driv	Rate443840aary keyer_City	•
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• 2. 3.	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 Which of the Table? (1) Taxi_No Which of the (1) Taxi_No (2) Rate_Typ (3) Rate_Typ 	Data ng Reports 2 to 14 are bas Rate_Type Car 3W Van 3W van 3W (2) 2 following fiel in Taxi Table be in Taxi Table in Rate Tab	sed on the follo Driver_Name Perera Raju Dias Perera the most suital Rate_Type ds is an examp le ble	 (2) Updating D (4) Generating owing database table Driver_City Colombo Colombo Matara Kandy ble field to be select (3) Driver_Name 	Data Charts Rate Table Rate_Type Car 3W Van cted as the primine (4) Driv	Rate443840aary keyer_City	•
• 2. 3.	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 Which of the Table? (1) Taxi_No Which of the (1) Taxi_No (2) Rate_Typ (3) Rate_Typ 	Data ag Reports to 14 are bas Rate_Type Car 3W Van 3W van 3W c following is (2) c following fiel in Taxi Table e in Taxi Table	sed on the follo Driver_Name Perera Raju Dias Perera the most suital Rate_Type ds is an examp le ble	 (2) Updating D (4) Generating owing database table Driver_City Colombo Colombo Matara Kandy ble field to be select (3) Driver_Name 	Data Charts Rate Table Rate_Type Car 3W Van cted as the primine (4) Driv	Rate443840aary keyer_City	•
• 2. 3.	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 Which of the Table? (1) Taxi_No Which of the (1) Taxi_No (2) Rate_Typ (3) Rate_Typ (4) Driver_C 	Data ng Reports to 14 are bas Rate_Type Car 3W Van 3W e following is (2) e following fiel in Taxi Table e in Rate Table ity in Taxi Ta	sed on the follo Driver_Name Perera Raju Dias Perera the most suital Rate_Type ds is an examp le ble ble	 (2) Updating D (4) Generating owing database table Driver_City Colombo Matara Kandy ble field to be select (3) Driver_Name ble for a foreign key 	Data Charts es. Rate Table Rate_Type Car 3W Van cted as the primine (4) Driv y in the databas	Rate443840aary keyer_City	•
• 12. 13.	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 Which of the Table? (1) Taxi_No Which of the (1) Taxi_No (2) Rate_Typ (3) Rate_Typ (4) Driver_C How many fi 	Data ng Reports 2 to 14 are bas Rate_Type Car 3W Van 3W Van 3W e following is (2) e following fiel in Taxi Table e in Taxi Table in Rate Tab ity in Taxi Ta ields and record	sed on the follo Driver_Name Perera Raju Dias Perera the most suital Rate_Type ds is an examp le ble ble ble	 (2) Updating D (4) Generating owing database table Driver_City Colombo Matara Kandy ble field to be select (3) Driver_Name ble for a foreign key 	Pata Charts S. Rate Table Rate_Type Car 3W Van cted as the primine (4) Driv y in the databas	Rate443840ary keyer_Citye?	•
• 12. 13.	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 Which of the Table? (1) Taxi_No Which of the (1) Taxi_No (2) Rate_Typ (3) Rate_Typ (4) Driver_C 	Data ng Reports 2 to 14 are bas Rate_Type Car 3W Van 3W Van 3W e following is (2) e following fiel in Taxi Table e in Taxi Table in Rate Tab ity in Taxi Ta ields and record	sed on the follo Driver_Name Perera Raju Dias Perera the most suital Rate_Type ds is an examp le ble ble	 (2) Updating D (4) Generating owing database table Driver_City Colombo Matara Kandy ble field to be select (3) Driver_Name ble for a foreign key 	Data Charts es. Rate Table Rate_Type Car 3W Van cted as the primine (4) Driv y in the databas	Rate443840ary keyer_Citye?	•
• 12. 13.	 (1) Sorting I (3) Generatin Questions 12 Taxi Table Taxi_No FX0675 FY1256 FI6782 FZ1276 Which of the Table? (1) Taxi_No Which of the (1) Taxi_No (2) Rate_Typ (3) Rate_Typ (4) Driver_C How many fi 	Data ng Reports 2 to 14 are bas Rate_Type Car 3W Van 3W Van 3W e following is (2) e following fiel in Taxi Table e in Taxi Table in Rate Tab ity in Taxi Ta ields and record	sed on the follo Driver_Name Perera Raju Dias Perera the most suital Rate_Type ds is an examp le ble ble ble	 (2) Updating D (4) Generating owing database table Driver_City Colombo Matara Kandy ble field to be select (3) Driver_Name ble for a foreign key 	Pata Charts S. Rate Table Rate_Type Car 3W Van cted as the primine (4) Driv y in the databas	Rate443840ary keyer_Citye?	•

[see page three

OL/2016/80/E-I, II (NEW)

- 3 -

15. Nimal is writing a computer programme to create a graph to show the number of Dengue cases for the last five years. Input, process and output related to the programme are given in the steps A to D below but not in the correct order. A - Show the graph for the total number of Dengue cases for the last five years B – Number of Dengue cases for each year C – Current year D - Calculate the total number of Dengue cases for the last five years Which of the following correctly shows the input, process and output? (1) Inputs : A and B process : C output : D (2) Inputs : B and C process : D output : A (3) Input : B processes : C and D output : A (4) Inputs : B and D process : A output : C 16. Testing phase of the systems development life cycle includes the following activities. A – Acceptance Testing B – Integration Testing C – System Testing D – Unit Testing What is the correct testing order of the above activities? (1) A, B, C, D (2) B, C, D, A (3) C, D, A, B (4) D, B, C, A 17. There is a suggestion to introduce a new online system to replace the current manual system to apply for re-scrutiny of results of the G.C.E.(O.L.) Examination. Consider the following statements related to this suggestion. A - The proposed system will improve the efficiency of the re-scrutiny process. B – The proposed system will improve the accuracy of the outcome of the re-scrutiny process. C - The proposed system will have a negative impact on the candidates who do not have access to the Internet. Which of the above statements are valid? (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C 18. Which of the followings shows the file format of image files only? (1) DOCX, MP3, PNG (2) PNG, RAW, MP3 (3) RAW, JPEG, BMP (4) PPTX, BMP, PNG 19. Consider the following HTML code segment: <html> <body> ($\langle dl \rangle$ <dt>Government Schools in Sri Lanka </dt> <dd>National Schools - 350 </dd> <dd>Provincial Schools - 9662 </dd> </dl></body> </html> The output of the above HTML code would be: (1) Government Schools in Sri Lanka (2) Government Schools in Sri Lanka National Schools - 350 i. National Schools - 350 Provincial Schools - 9662 ii. Provincial Schools - 9662 (3) Government Schools in Sri Lanka (4) Government Schools in Sri Lanka • National Schools - 350 1. National Schools - 350 • Provincial Schools - 9662 2. Provincial Schools - 9662 20. Consider the following software A – Simple text editor B – Word-processing software C - Web authoring software Which of the above software/softwares can be used to create an HTML document? (1) C only (2) A and C only (3) B and C only (4) All A, B and C

[see page four

OL/2016/80/E-I, II (NEW)

0946

- 4 -

21. According to a survey conducted by the Department of Census and Statistics in 2015, the computer literacy rate of Sri Lanka is 26.8%. It is assumed that the digital divide is one reason for the low computer literacy rate. Consider the following suggestions: A - Arrange loan facilities at low interest rates for the households of low income category to buy computers. B - Improve computing and internet facilities in rural areas where such facilities are inadequate. C - Provide more scholarships for the children who succeed in the Grade 5 scholarship examination. The relevant suggestion/suggestions which will contribute to reduce the digital divide is/are, (1) A only. (2) B only. (3) A and B only. (4) B and C only. 22. Which of the following is not essential to host a web site? (2) Web server (1) Web browser (3) IP address (4) Website content 23. What is the domain name of the URL, http://www.bbc.com/sport/cricket? (1) bbc.com/sport (2) bbc.com/sport/cricket (3) http://www.bbc.com (4) bbc.com 24. While typing an email to one of his friends, Rajan accidentally closed the email application. In which folder of his email account will he find the unfinished email? (1) Draft (2) Inbox (3) Sent (4) Trash • Questions 25 and 26 are based on the given spreadsheet segment. R C A 1 1 2 3 2 4 5 6 3 5 25. Which of the following will appear in cell C3 if the formula =count(A1:B3) is entered to cell C3? (1) 1(2) 3 (3) 5 (4) 6 26. The cell A3 contains the formula =sum(\$A1:A2). Which of the following will appear in cell B3 if the formula is copied to cell B3? (1) 5(2) 7 (3) 11 (4) 12 27. What tool in electronic presentation software can be used to change the style of a slide from Style 1 to Style 2? (1) Slide design (2) Slide sorter (3) Slide layout (4) Slide view Style 1 Style 2 28. What tool in electronic presentation software is used to manage how text and images appear when making a presentation using Slides show? (1) Slide design (2) Slide transition (3) Slide layout (4) Animation 29. Which of the following show data transfer speeds of secondary storage devices arranged in an ascending order? (1) Solid state hard drive, Magnetic hard drive, floppy disk drive, DVD drive (2) floppy disk drive, Magnetic hard drive, DVD drive, Solid state hard drive (3) floppy disk drive, DVD drive, Magnetic hard drive, Solid state hard drive (4) Solid state hard drive, Magnetic hard drive, DVD drive, floppy disk drive 30. Consider the following statements: A - Optical Fiber cables provide faster data transfer rates than that of copper cables. B - Copper cables provide faster data transfer rates than that of Optical Fiber cables. C - Copper cables are more expensive than Optical Fiber cables. Which of the above is/are correct? (1) A only (2) B only (3) A and C only (4) B and C only

[see page five

OL/2016/80/E-I, II (NEW)

31. Consider the following statements: A - A student obtains medical advice from a doctor by contacting him over the telephone. B - An automated system, based on the humidity and temperature releases water to plants in a greenhouse. C – A teacher purchases a book which is not available in Sri Lanka, from an online book shop. Which of the above use the Information and Communication Technology (ICT) effectively? (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C 32. Consider the following statements: A - It is suitable to dispose electronic waste (e-waste) such as unusable mobile phones and CRT monitors with household garbage such as food leftovers. B - It is not illegal for multiple users to use a software in a desktop computer which has a single user licence. C - When a firewall is installed in a computer network, users do not require to use passwords to protect their files with confidential data. Which of the above statements are correct? (1) A only (2) B only (3) A and B only (4) B and C only 33. In the ASCII code, Character 'Q' is represented as 1010001,. What is the option that represents the word 'PUT' in binary form? (1) 1010000, 1010101, 1010100, (2) 1010001, 1010101, 1010100, (3) 1010000, 1010011, 1010111, (4) 1010101, 1010100, 1010011, **34.** Consider the following four numbers presented in different number systems: 11110011_2 , $F3_{16}$, 363_8 , 243_{10} Which of the following statements is true regarding the above four numbers? (1) $F3_{16}$ is larger than other three numbers. (2) 363_8 is smaller than other three numbers. (3) Four numbers are equal to each other. (4) Four numbers are not equal to each other. 35. Consider the following statements relating to digital images: A - Digital images are created with pixels. B - Image file size increases when resolution of an image increases. C - Resolution of an image can be measured with pixels per inch (ppi). 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 **36.** Consider the following pascal programme: program repetition (input, output); var X : integer; begin X := 1;repeat write (X); X := X + 1;until X = 3; end. What is the correct output when the above programme is executed? (1) 1 (2) 1 2 (3) 1 (4) 1 2 3 2 2 3 37. Consider the following pseudocode with label \bigotimes to calculate the sum of numbers from 1 to 100. sum = 0num = 0repeat num = num + 1sum = sum + numuntil 🛞 For the above mentioned pseudocode, what is the correct condition that matches with the label \bigotimes ? (2) $num \ll 100$ (3) num > 100(4) num >= 100(1) num < 100

[see page six

• Questions 38 to 39 are based on the following flowchart designed to find the smallest number from any ten numbers. (Start) input N Min = Ncount = count = count + 1No count < 10 P Yes Stop input N No < Min Yes 0 38. Which of the following correctly represents the labels (P) and (Q) in the flow chart respectively? (1) output Min, Min = N(2) output N, count = count -1(3) output count, Min = N(4) output Min, count = count -139. Which of the following statements is correct related to the control structures given in the flowchart? (1) SELECTION occurs within REPETITION (2) REPETITION occurs within SELECTION (3) REPETITION occurs within REPETITION (4) SELECTION occurs within SELECTION 40. Consider the following pseudocode segment: count = 0repeat display ("HELLO") count = count + 1until count > 4while count > 4display ("HELLO") count = count - 1end while How many times will the word HELLO be displayed when the above pseudocode is executed? (1) 4(2) 5 (3) 6 (4) 7 * * Kosala Rajapakse www.itpanthiya.com iotes.ol

[see page seven

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