

(1)	2	(11)	2	(21)	5	(31)	1	(41)	4
(2)	2	(12)	2	(22)	4	(32)	5	(42)	2
(3)	3	(13)	2	(23)	5	(33)	1	(43)	3
(4)	5	(14)	3	(24)	5	(34)	5	(44)	5
(5)	5	(15)	5	(25)	2	(35)	4	(45)	2
(6)	5	(16)	4	(26)	1	(36)	1	(46)	2
(7)	5	(17)	4	(27)	2	(37)	4	(47)	3
(8)	2	(18)	3	(28)	3	(38)	4	(48)	3
(9)	3	(19)	4	(29)	5	(39)	2	(49)	5
(10)	1	(20)	1	(30)	1	(40)	4	(50)	1

Part – II A

Note:- * Any other relevant answers.

Question No.	Suggested Answers						
(1) (a)					1000	3 marks [1 for each] / no partial marks	
		IP address	Class	Network Number	Host Number	no partiai marks	
	(i)	192.168.1.1	C	192.168.1	10 Co.		
	(ii)	(ii)	110.4.5.2	A	110 portes	4.5.2	
	(ii)	134.7.5.4	B	134.7	5.4		
(1) (b)	255.2	55.255.240	The Man	1		2 marks or 0	
(1) (c)			T			2 marks [0.5 x 4] or 0 marks	
	Application Layer Presentation Layer						
			n Layer				
			port Layer				
			ork Layer ink Layer				
			cal Layer				
(1) (d)						3 marks [each step 1]	
		$= 1001_2$					
	-7 ₁₀ =	= 1001 ₂					
		0010 ₂ [disc:	ard 1]				

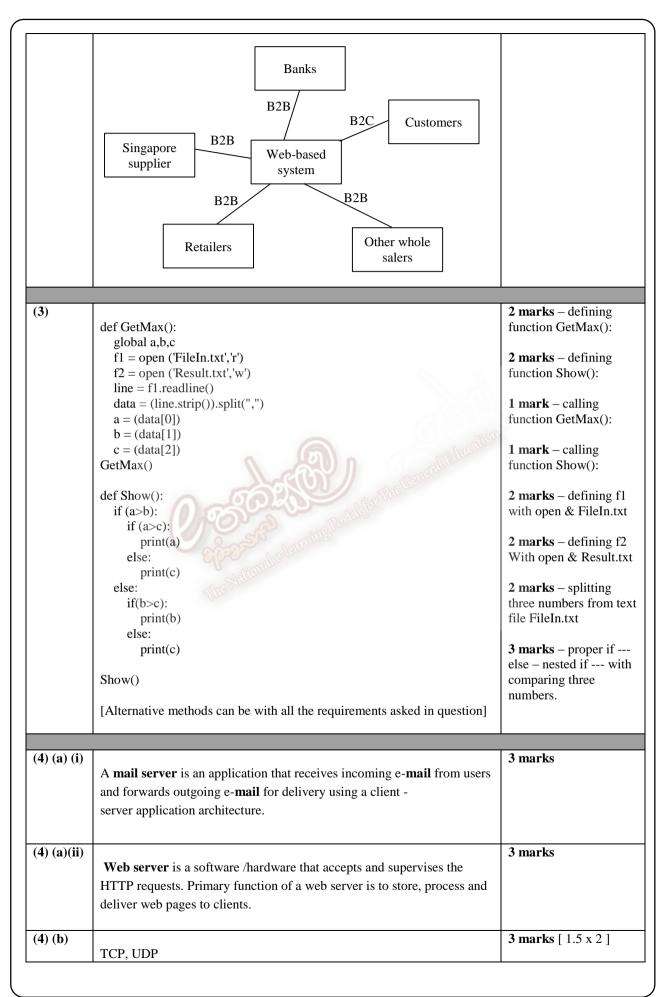
checked > Python: <input checked="" type=' checked > Column A h1</th><th>eckbox" name = "language" value = "java" checkbox" name = "language" value = "python" Column B</th><th>2 marks [1 for one or</th></tr><tr><td>Python: <input type='/> Column A h1 <td></td> <td></td>		
Python: <input &="" '="" ')="" ',="" ('="" *="" an="" block="" c<="" citizens="" commercular="" e-commercular="" end-="" g2c="" is="" of="" out="" print="" successory="" swapped="" td="" the="" type=" checked > Column A h1</td><td></td><td></td></tr><tr><td>Column A h1</td><td></td><td></td></tr><tr><td>Column A</td><td>Column B</td><td></td></tr><tr><th>h1</th><th>Column B</th><th></th></tr><tr><th>h1</th><th>Column B</th><th></th></tr><tr><td>h1</td><td>Column B</td><td>two correct, 2 for all</td></tr><tr><td></td><td></td><td>correct]</td></tr><tr><td></td><td>Element</td><td></td></tr><tr><td>text-color</td><td>Property</td><td></td></tr><tr><td>red</td><td>Value</td><td></td></tr><tr><td></td><td></td><td>2 marks [1 for one or</td></tr><tr><td>Interviews and di</td><td>scussion</td><td>two correct, 2 for all</td></tr><tr><td>• On-site observation</td><td>on</td><td>correct]</td></tr><tr><td>• Questionnaire</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td>3 marks [1 for each</td></tr><tr><th></th><th></th></tr><tr><th></th><th>Ne Medico</th><th></th></tr><tr><td>1</td><td></td><td>3 marks [1.5 x 2]</td></tr><tr><td>Swapped out & Waiti</td><td>ng</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td>3 marks [1 + 2]</td></tr><tr><td>services for citizens th
Sri Lanka Railway de</td><td></td></tr><tr><td>Can be processed</td><td>2 marks</td></tr><tr><td>No regular user in</td><td>nteraction is necessary.</td><td></td></tr><tr><td>Allows the system</td><td>n to focus on other activities till the transactions are</td><td></td></tr><tr><td>getting ready for</td><td>processing.</td><td></td></tr><tr><td></td><td>occur so data up to date at all times.</td><td>2 marks</td></tr><tr><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>i</td></tr><tr><td></td><td>On-site observation Questionnaire For i in range (1, 5): for j in range (0, i): print (" waiti="" yes.=""/> <td>On-site observation Questionnaire For i in range (1, 5): for j in range (0, i): print (' * ', end=' ') print (' ' ') Gwapped out & Waiting Gwapped out & Blocked Fes. G2C is an e-commerce model in which Government provides goods and services for citizens through the world wide web / Internet. G1 Lanka Railway department provides ticket reservation facility for beople through its website.</td>	On-site observation Questionnaire For i in range (1, 5): for j in range (0, i): print (' * ', end=' ') print (' ' ') Gwapped out & Waiting Gwapped out & Blocked Fes. G2C is an e-commerce model in which Government provides goods and services for citizens through the world wide web / Internet. G1 Lanka Railway department provides ticket reservation facility for beople through its website.	

(4) (a)	The attribute "qualifications" is <i>multi-valued</i> / <i>repeating groups</i> hence	2 marks
	the table is not in 1NF.	
(4) (b)		
	Students (StaffID, StaffName)	2 marks
	Qualifications (StaffID , Qualification)	
(4) (c) (i)		
	CREATE TABLE Employee (EmpID VARCHAR(6) PRIMARY KEY,	4 marks [or 0 marks]
	VARCHAR Name(15), Address VARCHAR(30), Salary int (10))	i maring [or o marks]
	OR	
	CREATE TABLE Employee (EmpID VARCHAR(6), VARCHAR	
	Name(15), Address VARCHAR(30), Salary int (10), PRIMARY	
	KEY(EmpID))	
(4) (c)(ii)		
	SELECT EmpID, Salary FROM Employee WHERE EmpID = 'E02'	2 marks

Part -II B

Question No.	A STATE OF THE PARTY OF THE PAR	
(1) (a)	A B C Output (X) 0 0 0 0 0 0 1 0 0 1 0 0 0 1 1 1 1 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 A - Alisha, B - Bala, C - Coorey	6 marks [no order for rows – reduct 1 mark, no labels – reduct 1 marks]
(1) (b)	$\bar{A}BC + A\bar{B}C + AB\bar{C} + ABC$	3 marks
(1) (c)	$ar{ABC} + Aar{BC} + ABar{C} + ABC$ $ar{ABC} + Aar{BC} + AB\ (ar{C} + C)$ [Distributive Law] $ar{ABC} + Aar{BC} + AB.1$ [$(ar{C} + C) = 1$]	3 marks [no rules given – reduct 1 marks]

	$\bar{A}BC + A\bar{B}C + AB$	
	$\bar{A}BC + A(\bar{B}C + B)$ $[(\bar{B}C + B) = (C + B)]$	
	$\bar{A}BC + A(C + B)$	
	$\bar{A}BC + AB + AC$	
	$B(\bar{A}C + A) + AC$	
	B(C+A)+AC	
	BC + AB + AC	
(1) (d)		3 marks
	A B C	
	Output = AB + BC + AC	
	output = ab + be + ac	
	AB	
	BC	
	AC	
	. 2~(3)	
(2) (a)	(6)	3 marks
(2) (a)	• They can better manage their supply chain.	3 marks
	• As they deal with many other companies, easy to manage operations.	
	• They can easily expand to other countries.	
	• Another channel and selling (online).	
	B2B partnership. Can do proceed a decision making on trands and navy products.	
	 Can do proactive decision making on trends and new products. Effective order processing. 	
	Effective order processing.	
(2) (b)		2 marks + 2 marks
	Buyer agents or shopping bots	
	User or personal agents	
	Monitoring-and-surveillance agents	
	Data-mining agents	
(2) (c)		4 marks
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	• can help customers to determine what to buy to satisfy a specific	
	need.	
	helps consumers decide what product best fits their profile and	
	requirements.Once the consumer has decided what to buy, it will help in doing	
	once the consumer has decided what to buy, it will help in doing comparisons, usually of prices from different vendors.	
	 can notify the customers and even provide assistance. 	
	Profiling customers using shopping agents.	
(2) (d)	Froming customers using snopping agents.	4 marks



		Г
(4) (c) (i)	2 ¹⁶ Bytes = 64 KB	3 marks
(4) (c)(ii)	0 to 2 ¹⁶ - 1	3 marks
(5) (a)	Date SSN Name MedicalTest follow Technician	Salary TelNo
	s M has N	Address
Model	1 maintain	
	Airport M follow	ModelNo
A	irplane has M AirplaneModel	Capacity
RegNo	follow M follow M	Weight
	Test Hours Score TestNo	6 marks for 6 entities. 3 marks for attributes of each entity. 2 marks for primary keys. 4 marks for all relationships.
(6)(a) (i)	Defines the document's body. Contains all the contents of an HTML document such as text, hyperlinks, image, table, etc.	1 mark
(6)(a) (ii)	Inserts a single line break.	1 mark
(6)(a)(iii)	Defines a paragraph.	1 mark

	Add some space before and after each element.		
(6) (b)			
	<html></html>	<html>, <head>, <title>, <body> tags - 2</td></tr><tr><td></td><td><head></td><td>marks</td></tr><tr><td></td><td><title> e-Book Store </title></head></html>	<h1> - 1 mark</h1>
		<h4> - 1 mark</h4>	
	<body></body>	- 1 mark	
	<h1> Book Selection </h1>	Three radio button – 2 marks	
	<h4> Select Category of Books </h4>	Button – 1 mark Image – 2 marks	
	<input name="ra" type="radio" value="eng"/> Engineering	Hyperlink – 2 marks	
	<pre><input name="ra" type="radio" value="ele"/> Electronics </pre>	Total = 12 marks	
	<input name="ra" type="radio" value="com"/> Computer Science		
	<input name="check" type="submit" value="Checkout"/>		
			
	Back to Home Page 		

<u>Note: -</u> Teachers are expected to follow this marking scheme strictly for marking. (In the answers given, key words with **Bold** must be in the answer scripts of students).

Part – I 2 x 50 = 100 marks

Part – II A 10 x 4 = 40 marks

Part – II B 15 x 4 = 60 marks

200 / 2 = 100 marks
