					<u> Part - </u>]	<u>[</u>			
(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

<u>Part – II A</u>

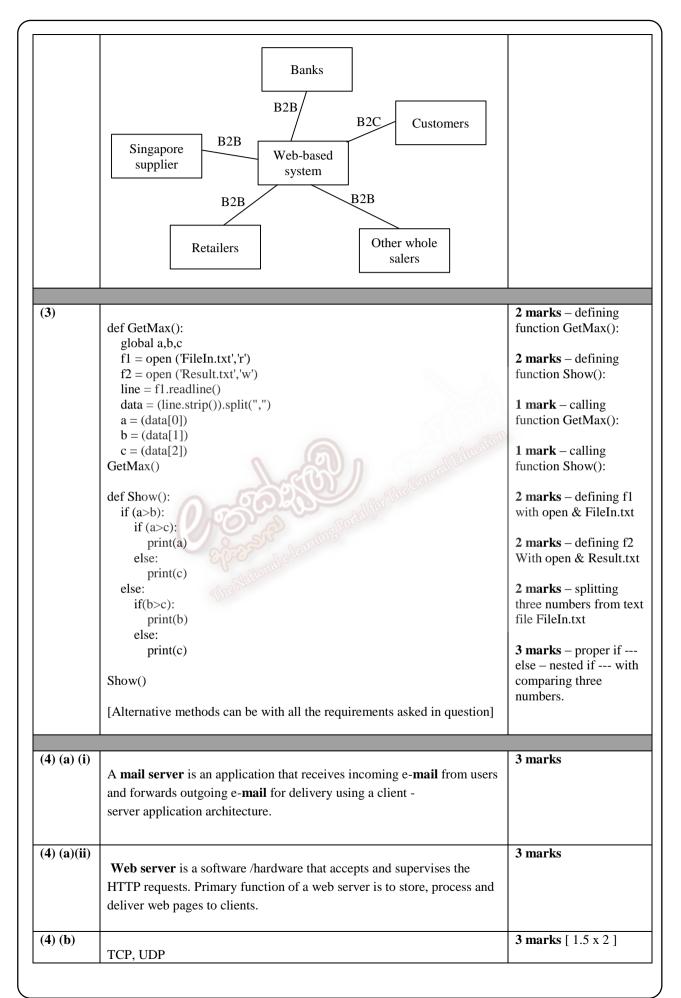
Note:- * Any other relevant answers.

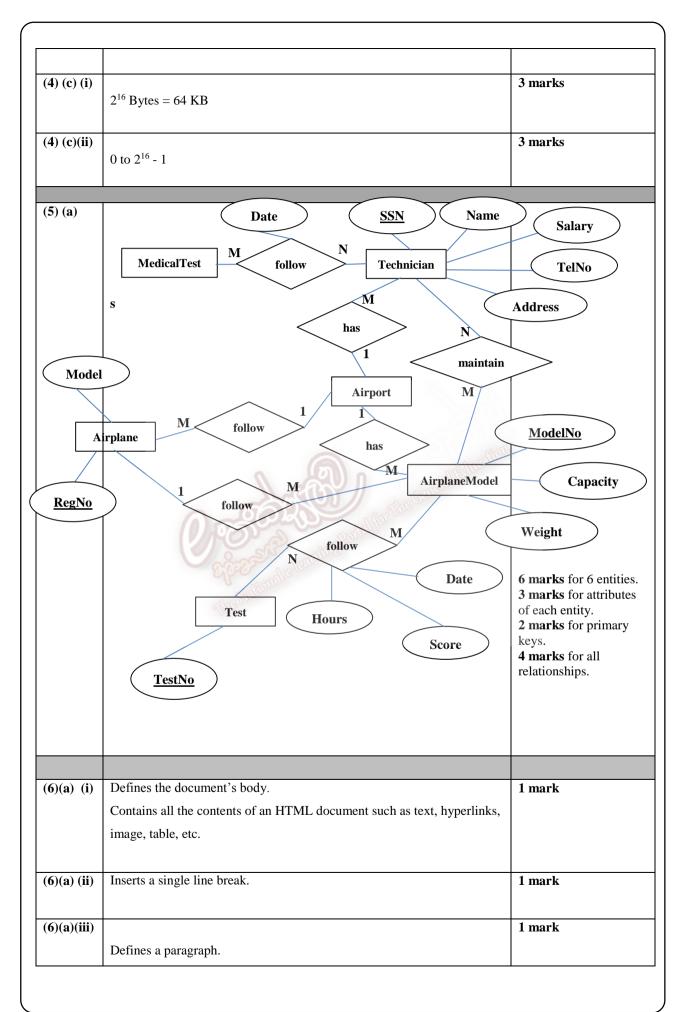
Question No.								
(1) (a)			3 marks [1 for each]					
		IP address	Class	Network Number	Host Number	no partial marks		
	(i)	192.168.1.1	C	192.168.1	The Cont			
	(ii)	110.4.5.2	A	110 Portuge	4.5.2			
	(ii)	(ii)	(ii)	134.7.5.4	B	134.7	5.4	
(1) (b)	255.2	55.255.240	the base		<u> </u>	2 marks or 0		
(1) (c)						2 marks [0.5 x 4] or 0 marks		
			cation Layer ntation Laye			1141 K3		
	Session Layer							
			port Layer ork Layer					
			nk Layer					
(1) (d)		Physic	cal Layer			3 marks [each step 1]		
(I) (U)	+910	= 1001 ₂						
	-7 10 =	= 1001 ₂ 0010 ₂ [disc	ard 11					
		00102 [dist						

(2) (a)				3 marks [1.5 x 2]
	Java:			

(4) (a)	The attribute "qualifications" is <i>multi-valued /repeating groups</i> hence	2 marks	
	the table is not in 1NF.		
(4) (b)	Students (<u>StaffID</u> , StaffName) Qualifications (StaffID, Qualification)	2 marks	
(4) (c) (i)	CREATE TABLE Employee (EmpID VARCHAR(6) PRIMARY KEY, VARCHAR Name(15), Address VARCHAR(30), Salary int (10)) OR CREATE TABLE Employee (EmpID VARCHAR(6), VARCHAR Name(15), Address VARCHAR(30), Salary int (10), PRIMARY KEY(EmpID))	4 marks [or 0 marks]	
(4) (c)(ii)	SELECT EmpID, Salary FROM Employee WHERE EmpID = 'E02'	2 marks	
	Part -II B Portal for the General Education		
Question No.	Part -II B Reard For the General Education		
Question No. (1) (a)	A B C Output (X) 0 0 0 0 0 1 0 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 marks [no order for rows – reduct 1 mark, no labels – reduct 1 marks]	
No.	A B C Output (X) 0 0 0 0 0 1 0 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1	[no order for rows – reduct 1 mark, no labels	

	$\overline{ABC} + A\overline{B}C + AB$	
	$\overline{ABC} + A(\overline{B}C + B) \qquad [(\overline{B}C + B) = (C + B)]$	
	$\overline{ABC} + A(C + B)$	
	$\overline{ABC} + AB + AC$	
	$B(\bar{A}C + A) + AC$	
	B(C+A) + AC	
	BC + AB + AC	
(1) (d)		3 marks
	АВС	
	Output = AB + BC + AC	
	AC	
(2)		2 months
(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 proactive decision making on trends and new products.Effective order processing.	
	• Effective order processing.	
(2) (b)		2 marks + 2 mark
	• 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 	
	comparisons, usually of prices from different vendors.	
	• can notify the customers and even provide assistance.	
	• Profiling customers using shopping agents.	
(2) (d)		4 marks





(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>	
		<114> - 1 IIIark	
	<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	
	<input name="ra" type="radio" value="ele"/> Electronics	Total = 12 marks	
	<input name="ra" type="radio" value="com"/> Computer Science		
	<input name="check" type="submit" value="Checkout"/>		
			
	Back to Home Page 		

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
