Scheme Pra PSPM KMJ SC015 20232024

Questio n	Answer	Marks		
1(a)	Operation Input	Explanation - The kiosk accept menu to the system	J2	
	Process	 The kiosk accepts payment option The kiosk processing the payment transaction The kiosk calculating the total order 	J2	
	Output	 The kiosk displaying the final order The kiosk displaying the total amount to pay Receipt printed 	J2	
	Storage	- The kiosk can save the database.	J2	
1(b)	 Google save/stores the UPS trial in Google Drive Google save/stores the Google Form in Google drive 			
2(a)	2550 - 1230 = 1320 (red velvet Nutella cake)			
	16 1320 16 82 16 5			
	05		J2	
	Answer : 528 ₁₆		J1	
2(b)		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Ј1	
		16 8 0 2 0 4+32+16+8+2	J1 J1	
	Answer: 250		J1	
2(c)(i)	0 0 1 1 8 4 2 1 3 3I	1 1 0 1 8 4 2 1 13 (D)	J1 J1 J1	
	Answer: 3D ₁₆	•	J1	

2(c)(ii)					
2(0)(11)	1 1 1 8 4 2 1 8 4 2 1 8 4 2 0001 0001 000	01 0001 0000 0001	J1 J1 J1		
	Answer: 1 0001 0001 0001 0000 0001 ₂				
2(d)	Characteristic	J2			
		or 65 536 characters	32		
3(a)	C1 = Ahmad register Data Structure C2 = Pass Fundamental Programming C3 = Pass Object Oriented Programming C4 = Pass Advanced Programming				
	$C1 = (C2 \cdot C3) + C4$				
3(b)	0 0 0 0 0 1 0 1 1 0 1 1 1 1	C4 C2.C3 C1 0 0 0 1 0 1 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 1 1 1 1 1 1	J4		
3(c)(i)	A	Y	J1 – not J1- AND J1-OR		

2(-)(::)							
3(c)(ii)	Α	D	С	NOT A	NOT A AND C	V	J1-
	A 0	B 0	0	NOT A	NOT A AND C 0	<u>Y</u> 0	input
	0	0	1	1	1	1	J1-
	0	1	0	1	0	0	NOT
	0	1	1	1	1	1	A
	1	0	0	0	0	0	J1-
	1	0	1	0	0	1	NOT
	1	1	0	0	0	0	A and
	1	1	1	0	0	1	C
	L	I.		-	<u> </u>		J1-Y
3(d)(i)							
		an goes	to Nor	way			J3
	A = Ar	na goes					
		etty goes					
	C = Ca	ımila go	es				
	D = A.B`+B.C						
	D = A.B + B.C						
3(d)(ii)							T.4
	A						J4
	B Y						
	c ————————————————————————————————————						
4(a)							
				SCANNE	ER .		J4
	COMPUTER LAPTOR 1						
	COMPUTER LAPTOP 1						
	нив						
	COMPUTER						
	2 LAPTOP 2						
				PRINTE	R		
				TRIIVIE			
	l						

4(b)						
	Peer-to-peer	Client Server	J4			
	No server involved	Must have a server				
	Difficult to perform backup as	Much easier to perform backup				
	files are spread across the network.	as files are located in the server.				
	Not very secure because each	More secure because everything				
	peer has direct access to each	goes through server and				
	other.	centralized.				
4(c)(i)	LAN connects computers and devices in a limited geographical area while WAN connects computers. LAN is a private network which is typically owned, controlled and managed by a single person or organization while WAN is a public network like the internet that is not owned by any one organisation.					
4(c)(ii)			10			
	- The speed of data transfer rate		J3			
	Increase in cost of managemenNetworks are more vulnerable					
	(Or any suitable answer).	to a wide range of uneats.				
4(d)(i)	- The lack of address space - the	number of different devices	J2			
	connected to the Internet grow	s exponentially, and the size of the				
	address space is quickly deplet					
	- The problem of security of communications.					
	- Lack of quality-of-service support - placement of information					
	about bandwidth, delays required for smooth operation of some network applications are not supported.					
			J2			
4(d)(ii)	The domain name system is responsible for translating domain names into a specific IP address so that the client can load the requested Internet resources					
5(a)(i)	Information privacy					
5(a)(ii)	Intellectual Property					
5(a)(iii)	Information accuracy					
5(b)(i)	Keep message brief or		J2			
	Be clear or					
	Use appropriate language or					
	Avoid sending SPAM or					
	Be careful when using sarcasm and humour or					
	Avoid forward chain letter or					
	Avoid sending or posting flames (abusive or insulting messages) and do not participate in flame					
	insulting messages) and do not participate in flame wars (exchanges of flames) Or					
	Never access someone's private email or					
	Any other suitable answer					

5(b)(ii)	Not acceptable: Use appropriate language and DO NOT USE ALL CAPITAL LETTERS which is the equivalent of shouting.	
6(a)	The purpose of the support and security phase is to provide ongoing assistance for an information system and its users after the system is implemented.	J2
6(b)	An acceptance test is performed by end users and checks the new system to ensure that it works with actual data.	J2
6(c)(i)	Implementation	J1
6(c)(ii)	Analysis	J1
6(c)(iii)	Support and Security	J1
6(c)(iv)	Support and Security	J1