Question I:

Salem.S. is an 8 yrs old Saudi male. k/c of ALL , S/p allogenic BMT 3/12 ago. He was diagnosed with ALL @ the age of 6 when he was admitted several times c/o splenomegaly and low-grade fever of unknown etiology. Further investigations were done and examination bone marrow sample showed the presence of leukemic blast cells consistent with ALL.

During the next 2 yrs he underwent intensive cycles of chemo and radiotherapy , and 3/12 ago he had an allogenic BMT. He was doing fine after until 5 days ago when started developing skin rash. he presented to the ER with generalized skin rash, diarrhea, and abdominal cramps. He was admitted for further blood work and gastrointestinal endoscopy , \triangle GVHD.

Upon interview, his mother reported that he has fair appetite and food intake, has lost more than 5 kgs ever since he was diagnosed with ALL, dislikes egg and red meat.

Current Wt = 18.5 kg, Ht= 116, Meds: Cyclosporine and Pridnisone, Diet Rx: DFA.

Labs:

WBC	3.0	3.3-8.7 K/uL
Neutrophils	2.6	3-5%
RBC's	3.9 L	3.93-5.69 M/uL
Hgb	11	12.6-16.1 g/dL
Hematocrit	35	35-45%
MCV	70	77-95 μm³
Calcium	9.3	8.8 - 10.3 mg/dL
Chloride	99	95 - 107 mEq/L
Magnesium	1.9	1.6 - 2.4 mEq/L
Phosphate	3.6	2.5 - 4.5 mg/dL
Potassium	3.7	3.5 - 5.2 mEq/L
Sodium	140	135 - 147 mEq/L

Using the above mentioned information please answer to the following questions:

1. Perform an assessment based on the	e anthropometric data. (shov	v all calculations)	(3.0 Marks)
Wt/age is	, IWt/age =	, % IWt/age =	
Ht/age is	, IHt/age =		
Wt/Ht is	IWt/Ht =		
BMI =	and its		
Acute malnutrition status =		()
Chronic malnutrition status =		(.)
Calculate nutritional requirements			(2.5 Marks)
Energy:			
Protein:			
		(% of kcal)
Fat :		(% of kcal)
CHO :		(% of kcal)

2.	Calculate exchanges for meal planning	(1.5 Marks)
----	---------------------------------------	-------------

Exchanges	CHO gm	Pro gm	Fat gm
Milk ()			
Veg. ()			
Fruits ()			
	Total =	Total =	Total =
Bread()			
		Total =	Total =
Meat ()			
		_	Total =
Fat ()			

	Discuss your recommended diet therapy	(2.0 Marks)
•••••		
•••••		
••••		

4. Write a full day menu

(2.5 Marks)

Meal	Food Item	amount	List	# of Ex.	

5. Write a full SOAP note . (3.5 Marks)

Question II

N. F. is a 56 yrs old Saudi female , transferred to ward 32 A through ICU, where she was admitted 5 weeks ago with left arm pain radiating to shoulders, chest pain and difficulty of breathing and LLE. She is a known case of HTN for 10 yrs and NIDDM for 14 yrs. \triangle CHF and respiratory failure.

Ht = 153, Wt = 95 kg, Diet Rx: low cholesterol 2000 kcal.

Labs:

Random glucose 8 mmol/L
Sodium 140 mmol/L
Chloride 100 mmol/L
Potassium 4.5 mmol/L
Urea 7.5 mmol/L
Creatine 80 µmol / L

Upon interview, her watcher reported that he has a fair food intake and appetite .no known allergies or disliked.

Using the above mentioned information please answer to the following questions:

•••••
rks)

3. In highlight of the given diet Rx, discuss your recommended dietary intervention:	(4.0	Marks)