MA112 Lab 2
Critical Thinking Questions
Week 5

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Date:_11/29/2018_____

All Answers Must be in Complete Sentences

1. Why is it important for diabetics to test their blood glucose levels on a regular basis at home? What does a hemoglobin A1C show?

   _It is important for a diabetic to check their blood glucose levels on a regular to keep track and to monitor their diabetes also to keep in under control. To lower the risks of complications from their diabetes. The A1C shows the glucose binding to the hemoglobin molecules in the RBCs.
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2. Why is it important for blood chemistry reports to be placed on a flow chart on a regular basis?

   _It is important to keep flow charts up to date with blood chemistry reports to keep track of glucose, cholesterol, lipid panel levels to monitor, keep track, control or early detection of diabetes and cardiovascular disease.
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3. What is a blood lipid panel and what do the different parts of the panel measure?

   _a lipid panel is the measure of fatty(lipid) substances, in the blood and stores in the tissue. A lipid panel measures cholesterol, triglycerides,

HDL-high density lipoprotein, and LDL-low density lipoprotein.

TIME	MEAL	GLUCOSE
7:00 am	Breakfast	86 mg/dL
9:00 am		175 mg/dL
11:30 am	Lunch	110 mg/dL
1:30 pm		206 mg/dL
2:15 pm	Snack	90 mg/dL
4:15 pm		150 mg/dL
6: 00 pm	Dinner	100 mg/dL
8:00 pm		260 mg/dL

4. Using the chart above, analyze the glucose results given to you by an adult with diabetes. Based on your knowledge of what a diabetic's glucose levels should be before meals and 2 hours after meals, determine which levels are high. (MAERB II.C.6b)

_Based on this patient as diabetic the levels are at their highest after lunch and dinner based on the two hours after meals. The others are pre-diabetic levels. Fasting Levels at 140-199 mg/dL are pre-diabetic and over 200 mg/dl are diabetic levels. Nonfasting level should be around 160 mg/dL.