

NAME (FIRST, LAST):	TITLE:	DATE (YYYY/MM/DD): ____/____/____
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*Tandem collects your full name and title solely for training-tracking purposes.

Please answer each question with your best response.

- Which of the following statements is true about charging a t:slim X2™ insulin pump:
 - When plugging the pump in to charge, the pump will vibrate and an audible alert will sound. A charge symbol (lightning bolt) on the battery level indicator will appear when the pump is being charged.
 - The pump must be charged using the wall adapter while the user is disconnected from the pump.
 - The t:slim X2 insulin pump uses a mini-USB adaptor or 2 AAA batteries.
 - It is good practice to fully deplete the battery between charges to maintain the life of the battery.
- Which Tandem Insulin Pump feature will provide the fastest view of the current active Personal Profile, the last bolus and if Basal-IQ technology or Control-IQ technology is turned ON which just one tap?
 - Tandem logo
 - Bolus icon
 - Battery indicator
 - Status icon/Insulin level
- All of the following statements regarding a user disconnecting at the connector between the cartridge and the tubing are true except:
 - An unintended delivery (bolus) of insulin could occur when reconnecting the tubing.
 - Air can be introduced into the tubing.
 - A loose connection between the cartridge and tubing could result in insulin leakage and unexplained hyperglycemia, especially during overnight basal delivery.
 - It is safe to disconnect at the connector between the cartridge and the tubing.
- True or False: After filling and installing a new cartridge, the Insulin Level Indicator on the home screen of Tandem Insulin Pumps displays an estimate of the amount of insulin in the cartridge as depicted by a + (plus) symbol in front of a preset number. After ten (10) units have been delivered, the + (plus) sign will disappear and the insulin level will display.
 - True
 - False
- To return to the Home Screen, tap the _____.
 - Screen On/Quick Bolus button
 - Tandem logo
 - Status icon

6. True or False: During a food bolus calculation, if the blood glucose entered is between 3.9 mmol/L and the programmed Target BG into the t:slim X2 insulin pump, the user will have the option to take a reduced calculated food bolus to correct for the low blood glucose. In addition, if Insulin On Board (IOB) is present, it will also be subtracted from the food bolus.
- A. True B. False
7. All of the following statements regarding the Extended Bolus feature on the t:slim X2 insulin pump are true except:
- A. The default delivery is 50% NOW, 50% LATER for 2:00 hrs. duration.
- B. If the user decides to stop or cancel the bolus by tapping the red X next to bolus, it will stop or cancel the undelivered portion of the bolus.
- C. To view the Units (instead of %), tap "View Units" to display the breakdown.
- D. The food and the correction boluses are extended.
- E. The extended portion can be set for duration of 15 minutes to 8 hours, though is limited to 2 hour duration when using CIQ.
8. True or False: To cancel or stop a bolus, tap the red X to the right of "Bolus". If bolus delivery has started, tap "yes" to confirm stopping the bolus. The "Units Requested" and the "Units Delivered" will be displayed.
- A. True B. False
9. Which of the following is FALSE about the temporary basal rate feature?
- A. Can be programed from 15 minutes to 72 hours
- B. If running a temp basal rate and the Basal-IQ feature suspends insulin, the temp rate will be canceled
- C. The temp rate feature can be programmed with Basal-IQ technology on but is not available when Control-IQ technology is turned "on."
10. True or False: The default setting for the Auto-Off Alarm is ON for 12 hours. The pump will shut off all insulin delivery if the pump has had no interaction in 12 hours.
- A. True B. False
11. The t:slim X2 insulin pump is indicated for use with the following: (Check all that apply)
- | | |
|--|--|
| <input type="checkbox"/> Humalog U-100 | <input type="checkbox"/> Type 1 Diabetes |
| <input type="checkbox"/> Apidra U-100 | <input type="checkbox"/> Humulin U-500 |
| <input type="checkbox"/> Type 2 Diabetes | <input type="checkbox"/> FiASP |
| <input type="checkbox"/> Ages ≥ 2yrs | <input type="checkbox"/> Ages ≥ 6yrs |
| <input type="checkbox"/> NovoRapid U-100 | |
12. True or False: When adding a new Time Segment to a Personal Profile, all settings in the previous time segment are copied and appear in the new segment. Edits can then be made to the desired settings.
- A. True B. False

Use the following number choices to correctly complete the statements in #13

1 2 3 5 95 100 145 300 480 500

13. t:slim cartridges come with a _____ m/L syringe and need a minimum fill of _____ units but shouldn't be filled past the maximum of _____ units.
14. True or False: The Basal-IQ and Control-IQ features can be used without CGM.
- A. True B. False
15. Which of the following is TRUE about the Basal-IQ feature?
- A. The minimum duration of insulin suspension is 5 minutes.
- B. Insulin suspends when a CGM value of less than 4.4 mmol/L is predicted within 30 minutes in the future.
- C. Insulin suspends when the actual CGM value is less than 3.9 mmol/L.
- D. The maximum duration of insulin suspension is 2 hours within a 2.5 hour window.
- E. All of the above.
16. Fill in the blank: _____-IQ technology suspends and resumes basal insulin delivery; it does not adjust the rate of insulin delivery. _____-IQ technology can increase, decrease or set basal insulin delivery to 0.0 units/hour.
17. Which of the following is NOT required to turn on Control-IQ technology:
- A. Total Daily Insulin
- B. Age
- C. Body weight
- D. Personal Profile settings
18. In order to maximize the functionality of Control-IQ technology, which of the following practice is NOT recommended:
- _____ A. Setting a Sleep Schedule
- _____ B. Stopping/suspending delivery when disconnected at the site
- _____ C. Wearing the pump and CGM transmitter on the same side of the body
- _____ D. Turning on the Sleep Activity for a one hour nap
- _____ E. Programming accurate settings into the active Personal Profile
19. True or False: Using Sleep and Exercise activities help optimize the Control-IQ algorithm.
- A. True B. False
20. True or False: Control-IQ technology allows for an automatic correction bolus anytime the user's glucose is over 13.9 mmol/L. The automatic correction bolus will deliver 60% of the calculated correction and occurs at most once every 60 minutes.
- A. True B. False

21. Match the Control-IQ alert (left) to the correct notification on the pump screen (right):

<div>CONTROL-IQ HIGH ALERT</div>	<div>Control-IQ has delivered the maximum allowable insulin in a 2-hour period.</div> <div>Make sure your Total Daily Insulin is correct in Control-IQ settings.</div> <div>CLOSE</div>	A
<div>CONTROL-IQ LOW ALERT</div>	<div>Control-IQ has increased your insulin, but your sensor readings remain above 11.1 mmol/L.</div> <div>Check your cartridge, tubing and site, and test your BG.</div> <div>OK</div>	B
<div>MAX INSULIN ALERT</div>	<div>Control-IQ has predicted that you will drop below 3.9 mmol/L in the next 15 minutes.</div> <div>Eat carbs and test your BG.</div> <div>OK</div>	C

Insulin Pump Knowledge Assessment Answer Sheet

NAME (FIRST, LAST):	TITLE:	DATE (YYYY/MM/DD): ____/____/____
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1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____ Humalog U-100
- _____ Apidra U-100
- _____ Type 2 Diabetes
- _____ Ages ≥ 2yrs
- _____ NovoRapid U-100
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____

Total of 21 Possible Points	Passing Score is 21 (100%)
_____ # correct	_____ %
ASSESSED BY NAME/TITLE:	

- _____ Type 1 Diabetes
- _____ Humulin U-500
- _____ FiASP
- _____ Ages ≥ 6yrs