

# Curlin 6000 CMS, Ambulatory Infusion Pump

## Training DVD Post-Test

### Chapter 1: Ambulatory Infusion System

1. A complete list of instructions, warnings, cautions and notices can be located in the Curlin 6000 CMS User Manual.  
True or False
2. The Moog Medical Clinical Support Line is available to clinicians 24-hours a day, seven days a week, to assist with product related troubleshooting questions.  
True or False

### Chapter 2: Changing the Batteries

3. The pump does not need to be turned off to change the batteries.  
True or False
4. A screwdriver or other sharp object may be used to remove the batteries from the battery compartment.  
True or False
5. Use of an A/C adapter will prolong the life of the C Cell batteries.  
True or False
6. When delivering life sustaining medications, each patient should have a back-up pump, AC power adapter and extra C Cell batteries.  
True or False

### Chapter 3: Administration Sets and Manual Priming

7. It is recommended that you do not use a syringe to deliver powerful drugs that have short half-lives with the Curlin Pump.  
True or False
8. To prevent unregulated gravity flow, it is best to twist and remove the breakaway tab from the yellow flow stop prior to connecting to the medication container.  
True or False
9. The administration sets with filters require priming the filter in an inverted position until both sides are filled with fluid.  
True or False
10. Check the correct answer(s). When using a syringe instead of a medication container, stiction may occur. This means that:
  - variations in the accuracy of volume delivered may exceed 5%.
  - free flow may occur.
  - the fluid may be delivered as a series of boluses.

## Chapter 4: Loading the Administration Set

11. If the pump latch, or door, does not close easily, or they are not flush with the top of the pump, remove and reload the administration set. If the latch, or door, still does not close easily, or is not flush with the top of the pump, the pump should not be used and will need to be returned for service.

True or False

12. When loading an administration set, the following are the final four steps (number 1-4 in the correct order):
- Fully close the pump door and latch.
  - Locate the blue arrow and place the blue tubing guide pin in the receptacle on the right side.
  - Insert the yellow flow stop into the receptacle on the left side of the pump.
  - Place soft tubing section over the pumping fingers.

## Chapter 5: Pump Keypad and Features

13. When should the batteries be changed (check one)?
- When the power source screen indicates less than 1/3 charge.
  - When the power source screen indicates less than 1/2 charge.
  - When the power source screen indicates less than 3/4 charge.

14. The infusion must be paused before turning the pump off.

True or False

15. What does the green flashing LED light indicate (check one)?
- The infusion is complete.
  - The pump is infusing.
  - There is an alarm state.
  - The pump is in stand-by.

## Chapter 6: Programming Using the Protocol Library

16. Soft limits can be overridden if the value input is further confirmed, but hard limits cannot be exceeded by the programmer.

True or False

## Chapter 7: Manual Programming of a Continuous Therapy

17. The delayed start screen will count down the time until the program's start time arrives.

True or False

18. During programming, the delivery units will default to ml. To change the units to mg or mcg, press the NO/Change key until the desired unit is displayed, then confirm the setting by pressing the YES/Enter key.

True or False

19. In the prescription menu, the Bag Volume must be greater than or equal to the amount to be infused.

True or False

20. What is the default Keep Vein Open (KVO) Rate on the pump?
- 1.0 ml/hr
  - 0.001 ml/hr
  - 0.1 ml/hr

## Chapter 8: Manual Programming of a PCA Therapy

21. What are the possible unit choices when programming manually (check one)?
- mg, ml, L
  - g, ml, mcg
  - ml, mg, mcg
22. A Loading Dose is a one-time dose programmed and given at the beginning of a New Program.
- True or False
23. In PCA mode, the Pt. Bolus is the amount of medication the patient will receive when the bolus key or remote dose cord is pressed, and a bolus is available.
- True or False

## Chapter 9: Manual programming of a TPN Therapy

24. If the infusion rate is unknown, entering the volume to be infused, and the time in which to deliver that volume, will prompt the pump to auto-calculate the rate for you.
- True or False
25. If the KVO rate is set to a value other than zero, the pump will sound an alert every 20 minutes, when delivering at the KVO Rate.
- True or False

## Chapter 10: Manual programming of an Intermittent Therapy

26. You cannot enter a delay start time for an intermittent infusion.
- True or False
27. In Intermittent mode, Dose Rate is (check one):
- the speed at which the dose is delivered when the remote dose cord is pressed.
  - the amount of time between the start of one dose and the start of the next dose.
  - the KVO rate between doses.
  - the speed at which medication is delivered and may be measured in mL, mg, or mcg per hour, but cannot exceed the equivalent of 400 mL/hr.

## Chapter 11: Manual programming of a Variable Therapy

28. In Variable mode, you can program up to 24 individual doses with a different rate, volume and time for each dose.
- True or False

29. The summary screen in Variable mode will include all of the following *except*:
- required bag volume.
  - total time.
  - total number of doses.
  - lockout time.

## Chapter 12: Priming Using the Pump

30. When priming on the pump, it is important to review the program before priming. This will allow the program to retain the original bag volume.

True or False

31. The most important thing to remember about priming the administration set is to always disconnect the set from the patient before priming.

True or False

## Chapter 13: Resuming a Therapy in Progress

32. To continue an interrupted infusion from where it left off, select (check one):

- Run/Pause
- Repeat Rx
- Resume
- Yes/Enter

33. When hanging a new bag using the same program, select (check one):

- Yes/Enter
- Resume
- Repeat Rx
- Run/Pause

## Chapter 14: Changing the Rate or Dose

34. It is possible to make changes to a paused infusion by selecting Resume and then pressing the No/Change key to review the program.

True or False

35. After making changes to one or more programmed settings, press this key to start the infusion:

- Help/Options key
- Run/Pause key
- Yes/Enter key

36. You must always press YES/ENTER after changing a value to confirm the entry.

True or False

## Chapter 15: Information On Demand (IOD) Keys

37. When can you access IOD Keys?
- When the pump is in the run mode.
  - When the pump is turned off.
  - When the infusion is paused.
38. IOD keys No. 5 through 0 will only function in this mode:
- Variable
  - PCA
  - TPN
39. To clear shift totals, press the No. 9 key, then:
- press Yes/Enter key when the word CLEAR is displayed next to the word DONE.
  - press Yes/Enter key when the word EXIT is highlighted on the screen.
  - press the No. 0 key to zero out the fields.

## Chapter 16: Setting and Stopping a Clinician Dose

40. To deliver a Clinician Dose, you must first pause the infusion.
- True or False
41. After pausing the pump, you can cancel the Clinician Dose by entering a zero value in the Clinician Dose screen located in the Options menu.
- True or False

## Chapter 17: Hanging a New Bag on the Same Patient

42. When hanging a new bag for the same patient and same program, choose\_\_\_\_\_. This will restart the program from the beginning of the infusion cycle.
- Resume
  - Repeat Rx
  - New Program
43. Information shown on the toggling run screen such as the Volume, Time Remaining, and Amount Infused, apply to (check one):
- all infusions for this patient.
  - the current bag only.
  - all bags using the current program.
  - all therapies delivered on this pump.

## Chapter 18: Setting Medication Limits in PCA Therapy

44. Medication limits are an optional safety feature which may be used to limit the programming ranges available on the pump.
- True or False

## Chapter 19: End of an Infusion

45. The pump will not display Shift Totals from the previous therapy after a New Program has been entered.

True or False

46. When the KVO rate is programmed to zero in Continuous mode, the audio alarm will beep every 3 seconds when the amount to be infused reaches zero.

True or False

## Chapter 20: Options Menu and Early Down Ramp for TPN Therapy

47. The default time cannot be changed when programming an early down ramp.

True or False

48. The Down Occlusion sensitivity setting has two options: HIGH and LOW. To change the Down Occlusion setting, press the No/Change key until the desired setting is displayed, then press Yes/Enter to accept.

True or False

## Chapter 21: Troubleshooting Tips

49. Error Code 33 warns that:

- the internal battery needs to be charged.
- the pump needs to be recalibrated to ensure default settings are accurate.
- the pump needs to be primed.

50. An Administration set most likely needs to be replaced if you experience a/an:

- Replace Set 3 Alarm.
- Up Occlusion Alarm.
- Replace Set 4 Alarm.
- Load Set Alarm.

51. The message: “alert-field not accepted,” means that an inputted value was not confirmed by pressing the Yes/Enter key.

True or False