

**UNIVERSITY OF MISSISSIPPI SCHOOL OF PHARMACY**  
**ADVANCED PHARMACY PRACTICE EXPERIENCES**

---

---

Student: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_ Rotation Type: **INSTITUTIONAL** Rotation #

Preceptor: \_\_\_\_\_ Preceptor Signature: \_\_\_\_\_

---

---

**APPE Institutional PRCT 554 Aseptic Technique/Intravenous Admixture**

PART 1 Activity: Identify intravenous (IV) fluids and medications.

What is aseptic technique? (Question 1 of 17 - Mandatory)

What is a laminar-airflow hood and why is it used? (Question 2 of 17 - Mandatory)

What is the difference between a horizontal and vertical laminar-airflow hood? (Question 3 of 17 - Mandatory)

Name one type of medication for which you would prefer to use a vertical laminar-airflow hood over a horizontal laminar-airflow hood? (Question 4 of 17 - Mandatory)

What is a biological safety cabinet (or "isolator")? (Question 5 of 17 - Mandatory)

In what instances are IV filters required? And why are filters needed? (Question 6 of 17 - Mandatory)

List one IV medication that requires a filter in order to be infused. (Question 7 of 17 - Mandatory)

List one IV medication that must be refrigerated. (Question 8 of 17 - Mandatory)

List one IV medication that must be protected from light. (Question 9 of 17 - Mandatory)

Find one premixed IV medication. List the medication, concentration, volume and expiration date below. (Question 10 of 17 - Mandatory)

List one source that can be used to find compatibility/stability information for IV medications. (Question 11 of 17 - Mandatory)

Explain the proper technique for opening a glass ampule. (Question 12 of 17 - Mandatory)

PART 2 Activity: With your preceptor or a pharmacy technician, prepare an intravenous admixture using aseptic technique.

With the help of your preceptor or pharmacy technician, find a label and prepare an IV admixture (i.e. KCL bolus, antibiotic - vancomycin, azithromycin, ceftriaxone, "banana" bag, heparin or insulin infusion, cardiac infusion, vasopressor - norepinephrine, dopamine, amiodarone, etc.).

What IV fluid was used? (Question 13 of 17 - Mandatory)

What was admixed? (Question 14 of 17 - Mandatory)

Did the admixed ingredient require a diluent? If so, what was the diluent. (Question 15 of 17 - Mandatory)

What is the expiration date of this admixture at room temperature? At refrigerated temperatures? At freezing temperatures? (Question 16 of 17 - Mandatory)

Does a pharmacist or pharmacy technician prepare more IV admixtures at this institution? What is the pharmacist to pharmacy technician ratio? (Question 17 of 17 - Mandatory)

Review your answers in this evaluation. If you are satisfied with the evaluation, click the SUBMIT button below. Once submitted, evaluations are no longer available for you to make further changes.