

Student Name _____

Community Pharmacy Rotation
Peds Rx Pharmacy Solutions
Preceptor, Sam Blakemore, PharmD, MBA

- 1) In your own words define operations management. How is this important in context with being the Pharmacist In Charge of a Retail Pharmacy or Director of Pharmacy for an institutional Pharmacy.

- 2) Describe an appropriate compounding workflow for pediatric pharmacy in context to the _____ prescription that you compounded on _____. What is the drug _____ used for? Is it dosed mg/kg or based on lab values?

- 3) Describe the cost of transactions as it relates to “the switch”. Is there a cost difference between filing paper prescriptions and e-prescriptions. Please describe.

- 4) Describe the Prescription Monitoring Program. Why is it important to register? (<http://www.alabamapublichealth.gov/pdmp/index.html>)

- 5) Please review the 2016 financial statement of Fred’s pharmacy. Please describe their gross profit margins and their net income. (<http://investors.fredsinc.com/static-files/431623ba-5e0d-4da4-bd04-b3167ad6a9c1>)

- 6) Please review Carly’s Law and the impact that this legislation may have in the State of Alabama. Would you dispense CBD oil?

http://www.al.com/news/birmingham/index.ssf/2015/04/carlys_law_patients_start_rece.html

- 7) Describe the stability of multi dose vials once a patient begins using the vial. How would you counsel a patient's parent needing Lovenox 300mg/3ml, directions for use, please give the patient 15mg q12h and dispense appropriate syringes. The patient's weight is 33 pounds. How many vials (#mL's) of medication would need to be dispensed? What are appropriate questions to ask the parent prior to dispensing the medication?

- 8) Describe CSOS and how it relates to 222. What is a 222 Form. Describe Power of Attorney for 222 forms. Why are 222 forms in triplicate? Where does each piece of the form go? CSOS AND DEA- <https://www.deaecom.gov/about.html>

- 9) Is a Pharmacy Technician in the State of Alabama allowed to Counsel Patients on Medications? Base your rationale on Title 34 Pharmacy Practice Act.

- 10) Can you cut patches? Fentanyl patches? Lidoderm patches? Base your rationale on pharmaceutical dosage forms and how the drug is absorbed when applied to the skin.

- 11) Counsel a patient on Diastat? Describe how you would dial a Diastat 10mg Rectal Kit to 7.5mg.

- 12) In your own words describe a community pharmacy workflow. Please use the following terminology when describing this workflow (drop off, pick-up, order entry, filling, and verification).
- 13) What is a pharmacy services administrative organization? An example of a PSAO is [Health Mart Atlas](#) which is under the umbrella of McKesson. In your opinion do PSAO's help or hinder independent pharmacies? Please name two PSAO's that are currently in the market and tell me their headquarters.
- 14) Describe the supply chain of acquiring drugs, with the end user being the consumer.
- 15) When filing claims to a pharmacy benefit manager we submit our pharmacy claims to Relay Health. Describe how claims are transmitted? What is Relay Health? What is a "switch"? Is there a cost to submitting claims to a pharmacy benefit manager? Besides acquiring data, why is it important in determining "rebates" between wholesaler and pharmacy?
- 16) Most prescriptions have a DAW code of 0 (product selection permitted). What does the DAW code of 9 mean? Give an example of a drug that requires the use of DAW 9 for Alabama Medicaid? In your opinion, why is the use of DAW 9 becoming more prevalent?
- 17) What is the drug information reference most commonly used to verify pediatric drug dosing?

18) A physician calls to get dosing on Cefdinir for a patient with sinusitis. The child weighs 30 lbs, and is 15 months old. The physician states that the child has an allergy to Amoxicillin. Using Lexi-Comp what is the recommended mg/kg/day? What would be an appropriate dose in (milligrams) to recommend to the physician and for what duration (days)?

19) Use the information obtained from question 18 to answer question 19. Cefdinir comes in 125mg/5ml and 250mg/5ml; both concentrations come in 60ml and 100ml package sizes. Using both concentrations calculate the appropriate dose in (mL's). Which package size would you dispense if you used the 125mg/5ml? Which package size would you dispense if you used the 250mg/5ml?

20) Use the information obtained from question 18 and 19 to answer question 20. The mom comes to pickup the medication. Before mixing the medication you counsel. When counseling the mother you state, "I see your child has an allergy to amoxicillin. Can you describe the reaction your child had?"

The child had hives and had difficulty breathing when taking Amoxicillin per the parent. Should you be concerned in dispensing Cefdinir? Using Lexi-Comp online run a drug allergy report. Screen shot this report into this document.

What category is the drug-allergy interaction? Describe what would you do next...based on what you know and have researched, would you dispense this medication?

21) What is the mechanism of action of Dantrolene? Why is Dantrolene used in pediatric patients? What section of Lexi-Comp online can you find information pertaining to how to compound Dantrolene for a pediatric patient? What is the beyond use date of the compound? In your own words explain why citric acid is used in compounding this medication.

22) What is CSOS? In your own words describe why it is important in streamlining the process of submitting orders for controlled substances.

23) What is the date of expiration for a multi dose vial after it is used? Give an example of a drug that comes as a multi dose vial.

24) 100 units = ____ ml (insulin syringes)

25) 15 drops = ____ ml (eye drops)

26) A bottle has an expiration of 08/2017. What date of the month does the drug expire?

27) Describe the term average acquisition cost and how it is used to determine reimbursement for drugs under Alabama Medicaid.

28) Can you make a clarification on a schedule 2 prescription in the State of Alabama? If so, what can be clarified? Please reference your source in making this decision.

29) What is Health Information Design, and describe its relationship to Alabama Medicaid? Where are they located and what is their purpose?

30) A 16 year old female has a prescription for Flomax. The script is written for 1 capsule po qhs for 7 days. What is the patient's likely diagnosis, and using the mechanism of action of the drug why might Flomax be used to treat this patient's disease state? Based on its mechanism of action, what are some of the side effects to cover when doing a patient consultation.

31) Why is it important to understand Structure Activity Relationships (SAR)? Give an example of an SAR that was discussed during this rotation. Find an example of another class of medications and describe their SAR.

32) Revenue-COGS = _____

33) Gross Profit - Net Expenses = _____

34) Please read the following article and write one paragraph that summarizes the article. :
<http://www.ncpa.co/pdf/APNOV12-HowMuchWorth.pdf>

35) Midazolam 5mg/ml can be administered buccally and also by use of a nasal atomizer. Describe how you would give a patient consultation for administering either buccally or with an atomizer. Where can you purchase LMA MAD nasal Atomizers and what is their cost? Why is midazolam gaining favor with neurologists over the use of Diastat?

36) Dirty Money is a new show that broadcasts on Netflix. If you have Netflix, please Watch Season 1 Episode 3 -- Titled "Drug Short"