

**UNIVERSITY OF BOLTON**  
**FACULTY OF HEALTH AND WELLBEING**  
**BSc (HONS) ADULT NURSING**  
**SEMESTER ONE EXAMINATION 2019/2020**  
**FOUNDATIONS OF MEDICINES MANAGEMENT**  
**MODULE NO: HLT4085**

Date: Monday 11 November 2019

Time: 9.30 am – 10.30 am

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**INSTRUCTIONS TO CANDIDATES:**

There are 20 questions.

Answer ALL 20 questions.

Marks for parts of questions are shown in brackets.

There are a total of 40 marks available

The pass mark is 70%

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1. Your patient requires 1000mls saline over 8 hours, **calculate the drops per minute if the drop rate is 24 drops per ml**  
**1 mark**
  
2. Convert the following: 7.45 milligrams (mg) to **micrograms**.  
**1 mark**
  
3. Patient X is prescribed 90mg of drug A, the capsules are supplied in 15mg capsules. **How many capsules will you administer?**  
**1 mark**
  
4. Drug B is available as a 200mg/0.5ml solution. The patient is prescribed 1.2g as a once daily dose. **How many millilitres (mls) does the patient need to take to make up the correct dose?**  
**1 mark**
  
5. Convert a dose of 670 millilitres (ml) into litres (L).  
**1 mark**
  
6. A patient is prescribed 1.25g of drug C to be given TDS; the tablets are 250mg each. **How many tablets would you require for the day?**  
**1 mark**

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7. You need to administer 400 micrograms /kg of drug D subcutaneously to a patient who weighs 68kg. The injection vials are 20mg / 1ml. **What volume would you administer? (Correct to 2 decimal places)**

**1 mark**

8. Your patient had a cup of tea (350ml) at 09.00, 11.00 and 12.00 midday. At lunch, he has a 300mls of clear soup and at 2.00pm he has a glass of juice (300ml). **What is his total fluid intake in litres so far?**

**1 mark**

9. Patient Y has a 300mls bottle of oral liquid medicine E. He has 10mls BD, **how many days will the bottle last?**

**1 mark**

10. Patient Z requires 15mgs of Drug F which comes in vials of 60mgs / 2ml. **What volume would you administer?**

**1 mark**

11. What do the following abbreviations on a patients prescription chart mean?

- a) Nocte
- b) PRN
- c) QDS
- d) BD

**4 marks**

12. As well as right patient and right drug, can you name the other 3 basic principles of safe medicines administration

**3 marks**

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13. List any 3 advantages of administering medication through the topical route.

**3 marks**

14. Give three reasons why it would be important to report a medication administration error as soon as possible after it is discovered.

**3 marks**

15. Your mentor has assigned you to give a medication to Mrs XYD under her supervision. **How would you identify the right patient?**

**3 marks**

16. What do you think might be important to consider when administering Medication to a child? **Please give three examples.**

**3 marks**

17. Please fill in the gaps (in the answerbook provided) in the following sentence regarding the process of first pass metabolism.

First-pass metabolism is a process in which a drug administered by the.....route is absorbed from the ..... tract and transported via the ..... vein to the ....., where it is ..... before reaching the general .....

**3 marks**

18. Please describe medicines concordance ?

**2 marks**

19. Name 3 things that you must ensure in order to confirm validity of a prescription

**3 marks**

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- 20.** Please name 3 things in the BNF that you could inform the patient about in order to assist them with informed decision making and consent surrounding medication administration?

**3 marks**

**END OF QUESTIONS**

Past Examination Paper