

UNIVERSITY OF BOLTON
FACULTY OF HEALTH AND WELLBEING
BSc (HONS) ADULT NURSING
SEMESTER TWO EXAMINATION 2018/2019
FOUNDATIONS OF MEDICINES MANAGEMENT
MODULE NO: HLT 4085

Date: Monday 11 March 2019

Time: 9.30 am – 10.30 am

INSTRUCTIONS TO CANDIDATES:

There are 20 questions.

Answer ALL questions.

Marks for questions are shown in brackets.

There are 40 marks available.

The pass mark is 70%.

You may use a University approved calculator.

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- 1) You are required to administer 240mg of Drug A to your patient intramuscularly. The stock solution available is 160mg/ 1ml. **How many millilitres would you administer?**
1 mark
- 2) Your patient is prescribed a total daily dose of drug B which is 9.75 mg. The patient requires this in three equal doses throughout the day. **How many Micrograms is each dose?**
1 mark
- 3) Your patient has received an intravenous infusion of 1 litre of saline via volumetric pump over 6 hours which finished at 13.30. At 09.00 am, he had a cup of tea (250ml) and the same again at 11.00. At lunch, he has a 200mls bowl of clear soup and at 2.00pm, he has a glass of juice (200ml). **What is his total fluid intake in litres so far?**
1 mark
- 4) Convert the following: 3.45 **milligrams (mg) to micrograms.**
1 mark
- 5) A bottle of Drug C contains 200ml. **How many days will the bottle last if the daily dose is 12.5ml BD?**
1 mark
- 6) Your patient requires 1000mls saline over 8 hours, **calculate the drops per minute if the drop rate is 30 drops per ml (rounded to the nearest whole number).**
1 mark
- 7) Your Patient requires 125mgs of drug D; the tablets are available in 25mgs only – **How many tablets would you administer to make up the dose?**
1 mark

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- 8) Your patient has been prescribed 680mg of drug E, every 12 hours. **What is the daily dose in grams?**
- 1 mark**
- 9) A patient is prescribed 1.4g of drug F to be given QDS; the tablets are 700mg each. **How many tablets would you require for the day?**
- 1 mark**
- 10) Your patient requires a dose of 20 mgs /kg of Drug G. Your patient weighs 82.5kg. **What dose of Drug G do you need to give in grams?**
- 1 mark**
- 11) Patient X requires medication H. **Name two resources that would assist you in identifying the right dose.**
- 2 marks**
- 12) **Name three routes of medication administration that avoid first pass metabolism.**
- 3 marks**
- 13) **Please describe what constitutes medicines compliance.**
- 3 marks**
- 14) **List any three advantages of administering medication through the IV route.**
- 3 marks**
- 15) In order to ensure prescription validity, can you name 3 elements that the nurse must ensure on the prescription chart prior to administration of medication.
- 3 marks**

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- 16) **Please name four things you might use the BNF for when administering a medication?** **4 marks**
- 17) **What do the following abbreviations on a patients prescription chart mean?** **4 marks**
- a) OD
 - b) PRN
 - c) NOCTE
 - d) QDS 4
- 18) **What do you think might be important to consider when administering medication to a patient post operatively? Please give three examples.** **3 marks**
- 19) **Other than right dose and right route, what are the other 3 basic principles of safe medicines administration?** **3 marks**
- 20) **As well as proficiently utilizing the 5R's, Please list two ways in which nurses can minimise the risk of medication errors?** **2 marks**

END OF QUESTIONS