

**UNIVERSITY OF BOLTON**  
**SCHOOL OF HEALTH AND HUMAN SCIENCES**  
**BSc (HONS) ADULT NURSING**  
**SEMESTER ONE EXAMINATION 2018/2019**  
**FOUNDATIONS OF MEDICINES MANAGEMENT**  
**MODULE NO: HLT4085**

Date: Monday 12 November 2018

Time: 9.30 am – 10.30 am

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**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 120mg of Drug A to your patient intramuscularly. The stock solution available is 80mg/1ml. **How many millilitres would you administer?**  
**1 mark**
  
- 2) Your patient is prescribed a total daily dose of drug B which is 6.75 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 8 hours and completed at 14.30. At 09.30 am, he has a cup of tea (200ml) and the same again at 11.00 and 12.00 midday. At lunch, he has a 250mls bowl of clear soup and at 2.00pm, he has a glass of juice (150ml). **What is his total fluid intake in litres so far?**  
**1 mark**
  
- 4) Convert the following: 9.25 **milligrams (mg) to micrograms.**  
**1 mark**
  
- 5) A bottle of Drug C contains 270ml. **How many days will the bottle last if the daily dose is 7.5ml QDS?**  
**1 mark**
  
- 6) Your patient requires 1000mls saline over 8 hours, **calculate the drops per minute if the drop rate is 24 drops per ml (rounded to nearest whole number).**  
**1 mark**
  
- 7) Your patient requires 140 mg of Drug D orally. The tablets available are 35 mg. **How many tablets would you administer to make up the dose?**  
**1 mark**

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- 8) Your patient has been prescribed 820mg of drug E, every 12 hours. **What is the daily dose in grams?**
- 1 mark**
- 9) A patient is prescribed 1.25g of drug F to be given TDS; the tablets are 250mg each. **How many tablets would you require for the day?**
- 1 mark**
- 10) Your patient requires a dose of 25 mgs /kg of Drug G. Your patient weighs 64.8kg. **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 medication.**
- 2 marks**
- 12) **Name three routes of medication administration that avoid first pass metabolism.**
- 3 marks**
- 13) **Please describe medicines concordance.**
- 3 marks**
- 14) **List any three disadvantages of administering medication through the rectal route.**
- 3 marks**
- 15) Clearly documented patient's details including Name, DOB, NHS Number/ Hospital Number are just one element of prescription validity; **can you name 3 more?**
- 3 marks**

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- 16) **Please name four reasons why a patient might be non-compliant when taking their medicines.** **4 marks**
- 17) **What do the following abbreviations on a patients prescription chart mean?** **4 marks**
- a) OD
  - b) PRN
  - c) NOCTE
  - d) TDS
- 18) **What do you think might be important to consider when administering medication to a patient pre operatively? Please give three examples.** **3 marks**
- 19) **Other than right medication and right route, what are the other 3 basic principles of safe medicines administration?** **3 marks**
- 20) **Please list two implications of medicine errors.** **2 marks**

**END OF QUESTIONS**