

UNIVERSITY OF BOLTON

FACULTY OF HEALTH AND WELLBEING

BSc (HONS) ADULT NURSING

SEMESTER TWO EXAMINATION 2018/2019

PRINCIPLES OF MEDICINES MANAGEMENT

MODULE CODE: HLT5018

Date: Friday 21 June 2019

Time: 9.00 am - 10.30 am

INSTRUCTIONS TO CANDIDATES:

There are 25 questions.

Answer ALL questions.

Marks for parts of questions are shown in brackets.

Equipment allowed: Calculator

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NUMERACY QUESTIONS

1. A patient is prescribed 0.4g of drug A to be given orally. Drug A is available in 50mg tablets. **How many tablets would you administer for each dose?**

1 Mark

2. **Convert 1175ml into litres.**

1 Mark

3. Your patient requires 0.25mg of Drug B to be taken orally. The Drug is available as 50 microgram tablets.

How many tablets would you administer for each dose?

1 Mark

4. A prescription has been written for 40mg of Drug C to be given intramuscularly. The stock is available in 200mg/5ml. **How many millilitres (mls) would you administer?**

1 Mark

5. Your patient is prescribed 75mg of a drug D orally. The drug is supplied in liquid form as 50mg/2ml.

How many millilitres (mls) would you administer?

1 Mark

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6. Your patient is prescribed 30mg three times a day of drug E. Drug E is available in 15mg capsules.
How many capsules will the patient take each day? **1 Mark**
7. Convert 2850 micrograms into milligrams (mg). **1 Mark**
8. Your patient has been prescribed 2000ml of fluid over 24 hours, the administration set delivers 20 drops per ml.
Calculate the infusion rate in drops per minute. Please round your answer to the nearest whole number. **1 Mark**
9. Your patient is prescribed 1000mls of fluid F to be administered over 24 hours.
How many mls would you administer per hour? Please round your answer to nearest whole number. **1 Mark**
10. Your patient is prescribed drug G which is stocked in 40mg in 4ml vials. He requires 20mg to be administered daily.
How many millilitres (mls) would you administer for each dose? **1 Mark**
11. A patient is prescribed 300 micrograms of drug X by nebulizer. The medication is available as 200 micrograms/2ml.
What volume in millilitres (mls) is required for the administration? **1 Mark**

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12. Convert 75mg to micrograms.

1 Mark

13. Your patient has consumed 2 cups of coffee (150 ml in each cup), 2 glasses of water (300 ml in each glass), one dose of IV Paracetamol (150ml) and 1 litre of IV fluid.

Calculate the total fluid intake in millilitres (mls).

1 Mark

14. A blood transfusion of 300ml is to be given via a blood administration set (15 drops/ml) over 4 hours.

Calculate the infusion rate in drops per minute. Please round your answer to the nearest whole number.

1 Mark

15. Your patient is prescribed Drug G which is stocked in 80mg in 8 ml vials. He requires 20mg to be administered daily.

How many millilitres (mls) would you administer for each dose?

1 Mark

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MEDICINES MANAGEMENT QUESTIONS

16. What are the **FOUR** ethical principles underpinning (bio) medical ethics?

2 Marks

17. Briefly describe what is meant by the term "**pharmacodynamics**".

2 Marks

18. Name **THREE** factors which the nurse should consider when assessing the patients ability to self-administer medicines (SAM).

3 Marks

19. What is meant by the following terms:

Compliance

Concordance

4 Marks

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20. Describe what is meant by an **Adverse Drug Reaction**?

2 Marks

21. Name **THREE** reasons why it might not be appropriate to administer medicine to a patient by the oral route?

3 Marks

22. Name **TWO** things to consider when giving medicines to elderly patients.

2 Marks

23. Apart from the kidney, name **THREE** other sites in the body where excretion of a drug might take place.

3 Marks

24. State **THREE** factors which can affect oral absorption of a drug.

3 Marks

25. Name the **TWO** ways in which medicines are supplied to the ward area.

2 Marks

END OF QUESTIONS