ljs1

UNIVERSITY OF BOLTON

FACULTY OF HEALTH AND WELLBEING

BSc (HONS) ADULT NURSING

SEMESTER ONE EXAMINATION 2019/2020

PRINCIPLES OF MEDICINES MANAGEMENT

MODULE CODE: HLT5018

Date: Friday 18 October 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

Faculty of Health and Wellbeing
BSc (Hons) Adult Nursing
Semester Two Examination 2019/2020
Principles of Medicines Management
Module No. HLT5018

NUMERACY QUESTIONS

1. A patient is prescribed 0.0625mg of Drug A to be given orally. **How many microgram is this?**

1 Mark

2. **Convert 457ml into litres.**

1 Mark

3. Your patient is prescribed Drug B 6.25mg three times a day to be taken orally. Drug B is available as 25mg tablets.

   How many tablets would you administer for each dose?

1 Mark

4. A prescription has been written for 8mg of Drug C to be given intravenously. The stock is available as 10mg/2ml. **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

Please turn the page

Faculty of Health and Wellbeing
BSc (Hons) Adult Nursing
Semester Two Examination 2019/2020
Principles of Medicines Management
Module No. HLT5018

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 250micrograms into milligrams (mg)

1 Mark

8. Your patient has been prescribed 500ml of fluid over 12 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 to be administered over 12 hours.
How many mls would you administer per hour? Please round your answer to the nearest whole number.

1 Mark

10. Your patient is prescribed Drug G 3mg/kg/day to be administered in 3 equal doses. Drug G is available in stock as 40mg/1ml. Your patient weighs 64.8kg.
How many millilitres (mls) would you administer for each dose? Please give your answer to one decimal place.

1 Mark

11. A patient is prescribed 300 micrograms of Drug H by nebulizer. The medication is available as 200 micrograms/2ml.
What volume in millilitres (mls) is required for the administration?

1 Mark

Please turn the page

Faculty of Health and Wellbeing
BSc (Hons) Adult Nursing
Semester Two Examination 2019/2020
Principles of Medicines Management
Module No. HLT5018

12. Your patient has been prescribed 625mg of Drug K twice daily**. What is the total dose in grams required to administer daily.**

1 Mark

13. Your patient has consumed 2 cups of coffee (150 ml in each cup), 2 glasses of water (180 ml in each glass), one dose of IV Paracetamol (100ml), one cup of soup (150 ml) and 1 litre of IV fluid.
Calculate the total fluid intake in millilitres (mls)

1 Mark

14. A blood transfusion of 318 ml is to be given via a blood administration set (15 drops/ml) over 3 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 M 1mg/kg/day to be given four times daily. Drug M is stocked as 40mg per ml in a 2 ml vial. Patient weighs 80kg.
How many millilitres (mls) would you administer for each dose?

1 Mark

Please turn the page

Faculty of Health and Wellbeing
BSc (Hons) Adult Nursing
Semester Two Examination 2019/2020
Principles of Medicines Management
Module No. HLT5018

MEDICINES MANAGEMENT QUESTIONS

16. A) What is Ethics?

(2 marks)

B) List down the **FOUR** ethical principles underpinning (bio) medical ethics?

(2 marks)

Total 4 Marks

17. Briefly describe the following terms:

A) Pharmacology

(1 mark)

B) Loading Dose

(2 marks)

Total 3 Marks

18. Name **FOUR** factors which the nurse should consider when assessing the patient's ability to self-administer medicines (SAM)

2 Marks

19. What is meant by the term concordance?

2 Marks

Please turn the page

Faculty of Health and Wellbeing
BSc (Hons) Adult Nursing
Semester Two Examination 2019/2020
Principles of Medicines Management
Module No. HLT5018

20. What is meant by an **Adverse Drug Reaction?**

2 Marks

21. Why is it important to use the correct dose during medicine administration?

2 Marks

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

2 Marks

23. What is drug interaction?

2 Marks

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

2 Marks

25. Name any **TWO** intramuscular injection sites?

2 Marks

END OF QUESTIONS