

Calculations (Post-Basic EISA)

Questions for Post-Basic EISA

1

How many days will the following prescription last? Glucomed® 80mg #112 Sig: 2 po BD (1 Point)

- ☐ 14 days
- ☐ 28 days
- ☐ 30 days
- ☐ 56 days

2

A prescription is written as follows:

Prednisone 10mg tablets

Sig: 20mg po BID x 2 days, then 20mg po once daily x 2 days, then 10mg po once daily x 2 days

How many tablets need to be dispensed in total? (1 Point)

- ☐ 8
- ☐ 10
- ☐ 12
- ☐ 14

3

A patient injects 8 units of U-100 insulin each day. What is the volume in millilitres the patient needs to inject? (Hint: U-100 = 100units of insulin/ml) (1 Point)

- ☐ 0.08ml
- ☐ 0.8ml
- ☐ 8ml
- ☐ 80ml

4

If 150 ml of a 15% solution is diluted to a total volume of 300 ml, what is the percentage strength of the final solution? (1 Point)

- ☐ 30%
- ☐ 22.5%
- ☐ 15%
- ☐ 7.5%

5

If 24 g of a medication is mixed with 46 g of base, what is the percentage strength (w/w) of the preparation? (1 Point)

- ☐ 19.2%
- ☐ 24.0%
- ☐ 34.3%
- ☐ 52.2%

6

Calculate the average monthly consumption (AMC) for enalapril 10mg (28's) if the stock card indicates the following usage:

Jan - 24 units
Feb - 22 units
Mar - 28 units
April - 24 units
May - 26 units
June - 20 units (1 Point)

- ☐ 22
- ☐ 24
- ☐ 26
- ☐ 28

7

Which of the following weight in milligrams is equivalent to 2 750 micrograms?

- ☐ 0,0275
- ☐ 0,275
- ☐ 2,75
- ☐ 27,5

8

If a prescription calls for 2 1/4 ml of a mixture 3 times a day, for how many days will 20 1/4 ml last?

- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

9

The dose of a medication is 125 mg 8 hourly. If a vial contains 2 g of the medication, how many vials will be needed for a 10 days supply?

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

10

How many milligrams ibuprofen are present in 100 ml of suspension, if there are 20mg of ibuprofen in each ml of suspension.

- ☐ 2
- ☐ 20
- ☐ 200
- ☐ 2000

...

11

A prescription requires a cream containing Salicylic acid 5% w/w, made up to 100 g with oily cream. How many milligram of Salicylic acid would be required to prepare 150 g of the cream?

- ☐ 5
- ☐ 7,5
- ☐ 10
- ☐ 12,5

12

What is the percentage w/v of iodine in iodine tincture if there is 4g of iodine in 200ml?

-
- ☐ 2
- ☐ 4
- ☐ 8
- ☐ 20

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