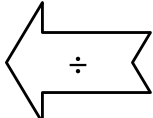


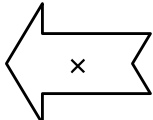
➤ Dilution:

- ☐ How prepare 100 ml of alcohol 70% by use 95%?
- ☐ How prepare 100 ml of dextrose 5% by use 25%?

$$C_1 \times V_1 = C_2 \times V_2$$



* Factor (F) = $\frac{\text{amount of substance in formula}}{\text{amount of substance we needed}}$ 

OR = $\frac{\text{amount of substance we needed}}{\text{amount of substance in formula}}$ 

Practical Part

Gentian Violet 1%

\mathcal{R}_x	
Gentian Violet	10 gm
Alcohol 70% (H ₂ O)	to 1000 ml

Uses:

As an antiseptic with selective Gr +ve.

Role of each ingredient:

Gentian Violet: antiseptic (active ingredient)

Alcohol 70% (H₂O):

Calculation:

1. prepare 25 ml:
2. factor=

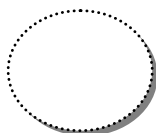
Procedure:

1. Weight gm of Gentian Violet and put in mortar.
2. Measuring ml of Alcohol.
3. Pure 2/3 of vehicle in mortar and dissolve the Gentian Violet.
4. Transfer the solution in bottle and wash by 1/3 of vehicle.

Label:

sig. Swab infected skin as directed

red or white



كلية العلوم الصحية بالمدينة المنورة قسم الصيدلة Gentian Violet 1% Swab infected skin as directed (FOR EXTERNAL USES) الصيدلي. التاريخ / / هـ
--